

IDOT FEDERAL AID DESIGN ENGINEER: CHAD RIDDLE, P.E. (847) 705-4406

CONSULTANT: CIORBA GROUP, INC (773) 775-4009

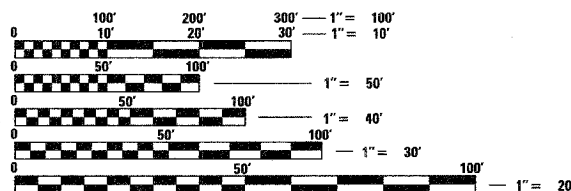
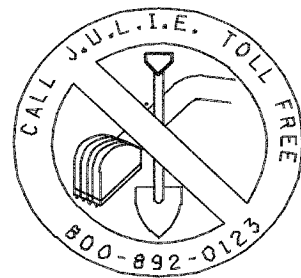
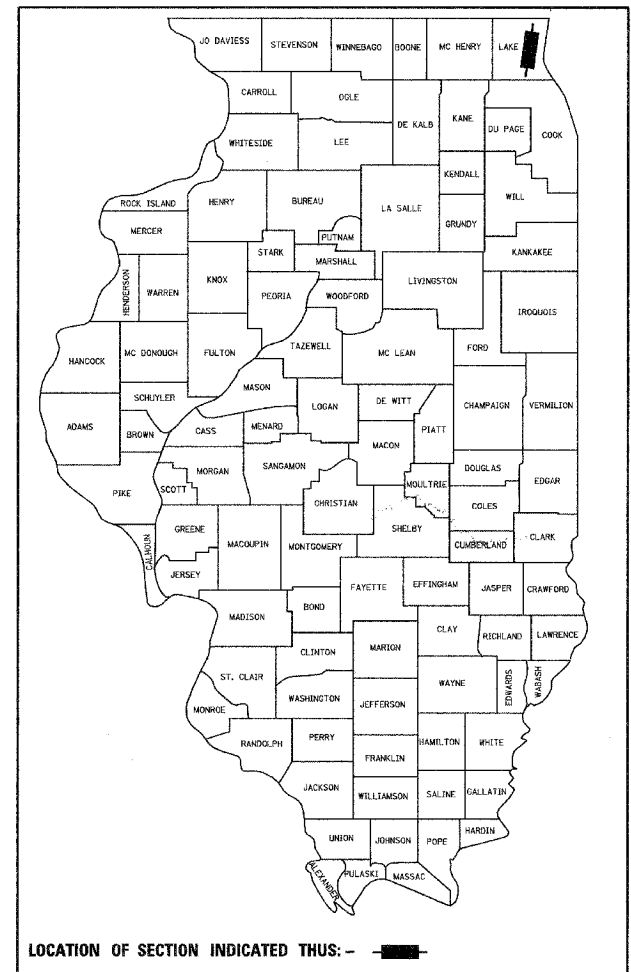
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	1

Contract# 83784

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT FEDERAL-AID URBAN PROJECT

F.A.U. 2670 (FOURTH AVENUE)  
VILLAGE SECTION: 03-00095-00-RS  
(F.A.U. ROUTE 1246 TO ILLINOIS ROUTE 176)  
ROADWAY RECONSTRUCTION AND STORM SEWER IMPROVEMENTS  
PROJECT STPM - 8003 (442)  
VILLAGE OF LIBERTYVILLE  
LAKE COUNTY  
JOB NO: C-91-345-04

FOR INDEX OF SHEETS,  
SEE SHEET NO. 2



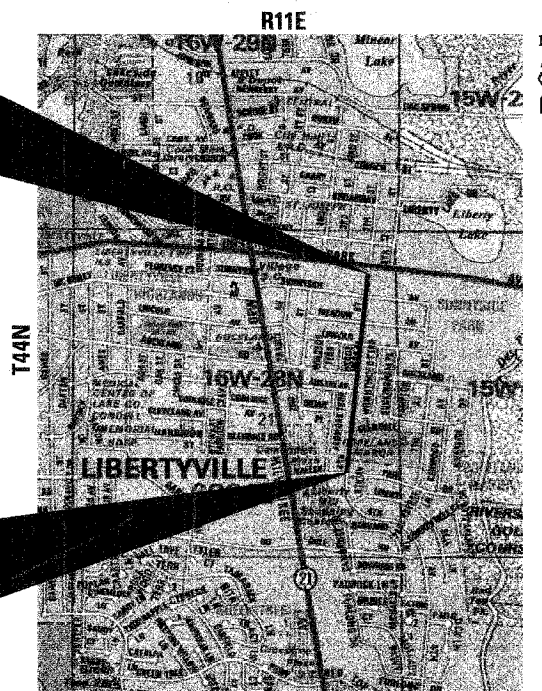
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123

BP PIPELINES (NORTH AMERICA) INC.  
1-800-548-6482

IMPROVEMENT ENDS  
STA. 42+35  
FOURTH AVENUE

IMPROVEMENT BEGINS  
STA. 10+11  
FOURTH AVENUE



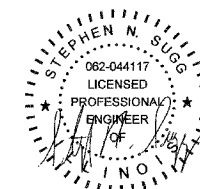
### LOCATION MAP

SCALE 1" = 1000'

GROSS AND NET LENGTH OF PROJECT : 3,224 L.F. = 0.61 MILES

DESIGN DESIGNATION  
FOURTH AVENUE: 235 (24) COLLECTOR 0.50 (FD-20)

DESIGN SPEED: 30 MPH  
ADT (EXISTING): 4,300 VPD  
ADT (2024): 5,100 VPD



DATE: 12/28/04  
SEAL EXPIRES: 11/30/05

Ciorba Group, Inc.

DESIGN FIRM  
REGISTRATION NUMBER  
184-001016

CONSULTING ENGINEERS  
SUITE 402, 5507 NORTH CUMBERLAND AVE  
CHICAGO, ILLINOIS 60656 (773) 775-4009

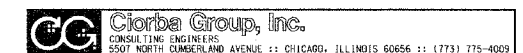
APPROVED December 21, 2004  
*Steven R. Hogneman* P.E. Director of Public Works  
VILLAGE OF LIBERTYVILLE

APPROVED January 19, 2006  
*Paul J. [Signature]*  
DISTRICT ENGINEER OF LOCAL ROAD & STREETS

APPROVED January 19, 2006  
*Diana O'Keefe* P.E.  
DISTRICT ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLANS PREPARED BY:



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO.: 83784

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.: 83784				

INDEX OF SHEETS

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7	SCHEDULE OF QUANTITIES
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LIST OF HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
424001-03	CURB RAMPS FOR SIDEWALKS
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602301	INLET, TYPE A
602401	MANHOLE, TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604011-02	FRAME AND GRATE, TYPE 3V
604036-01	GRATE, TYPE 8
604086-01	FRAME AND GRATE, TYPE 23
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

LEGEND

LIGHT POLE	GAS VALVE	SANITARY MANHOLE	CONIFEROUS BUSH ( ≥ 5' DIA.)	GAS LINE
POWER POLE	GAS VAULT	DECIDUOUS TREE	BUSH LINE	FENCE LINE
GUY WIRE	EXISTING INLET	DECIDUOUS BUSH ( < 5' DIA.)	OVERHEAD ELECTRIC	EXISTING STORM SEWER
FIRE HYDRANT	EXISTING CATCH BASIN	DECIDUOUS BUSH ( ≥ 5' DIA.)	OVERHEAD ELECTRIC, TELEPHONE & CABLE TV	PROPOSED STORM SEWER
WATER SERVICE BOX	PROPOSED CATCH BASIN	CONIFEROUS TREE	UNDERGROUND ELECTRIC	SANITARY SEWER
WATER VALVE	EXISTING STORM MANHOLE	CONIFEROUS BUSH ( < 5' DIA.)	UNDERGROUND TELEPHONE	WATER MAIN
WATER VALVE & VAULT	PROPOSED STORM MANHOLE			WATER MAIN (ABANDONED)

REVISIONS	
NAME	DATE

**GC** Giorba Group, Inc.  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60658  
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@giorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
INDEX OF SHEETS, LEGEND AND  
LIST OF HIGHWAY STANDARDS

SCALE: N.T.S. DRAWN BY: KDM  
DATE: JANUARY, 2005 CHECKED BY: MJL/MRJ

**GENERAL NOTES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	3
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS STPM - 8003 (442)		
CONTRACT NO.: 83784				

1. ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING BUT NOT LIMITED TO, SANITARY AND STORM SEWERS, WATER MAINS, AND THEIR SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL UTILITIES, ASCERTAIN THEIR STATUS AND ADJUST OR RELOCATE THESE UTILITIES, AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY J.U.L.L.E. AT (800) 892-0123 AND ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO:

- |  |   |
|--|---|
| A. SBCAMERITECH<br>1200 N. ARLINGTON HEIGHTS ROAD<br>ARLINGTON HEIGHTS, IL 60004<br>847-506-8701<br>CONTACT: JOYCE AHERN             | D. VILLAGE OF LIBERTYVILLE<br>200 E. COOK AVENUE<br>LIBERTYVILLE, IL 60048<br>847-918-1200<br>CONTACT: DENNIS KILBANE                           |
| B. COMMONWEALTH EDISON COMPANY<br>THREE LINCOLN CENTRE<br>OAKBROOK TERRACE, IL 60181-4260<br>630-487-2212<br>CONTACT: JEROME KUEMPEL | E. PEOPLES ENERGY<br>3001 GRAND AVENUE<br>WAUKEGAN, IL 60085<br>847-263-4666<br>CONTACT: SALVADOR ARANA   |
| C. AT&T BROADBAND<br>688 INDUSTRIAL DRIVE<br>ELMHURST, IL 60126<br>630-600-6347<br>CONTACT: ROBERT SCHULTER JR.                      | F. CENTRAL LAKE COUNTY<br>JOINT ACTION WATER AGENCY<br>200 ROCKLAND ROAD<br>LAKE BLUFF, IL 60044<br>847-295-7788<br>CONTACT: MARIA LESCHINSKAYA |

2. PROCUREMENT OF ALL NECESSARY PERMITS, AND PAYMENT THEREOF, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

3. DURING THE CONSTRUCTION OPERATION WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

5. THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

6. THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE DEPRESSED ACROSS ALL DRIVEWAYS, HANDICAPPED RAMPS AND/OR AS DIRECTED BY THE ENGINEER. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL CROSS WALK LOCATIONS, AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.

7. THE CONTRACTOR AT HIS OWN EXPENSE SHALL BE REQUIRED TO RELOCATE ALL ROAD SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET SUCH SIGNS DURING HIS CONSTRUCTION OPERATIONS. ALL WORK INVOLVING SIGNS SHALL BE COVERED BY THE FOLLOWING REQUIREMENTS:

- A. SIGNS SHALL NOT BE REMOVED UNTIL PROGRESS OF WORK NECESSITATES REMOVAL.
- B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER VISIBLE TO TRAFFIC ON THE ROADWAY. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND NEAT APPEARING FOR THE DURATION OF THE TEMPORARY SETTING.
- C. ALL SIGNS MUST BE RE-ERECTED IN THEIR PERMANENT LOCATIONS AS DESIGNATED BY THE ENGINEER AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

D. ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE VILLAGE. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOB SITE FOR PICKUP BY THE VILLAGE.

E. ANY SIGN OR SIGN POST DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A LIST OF ALL EXISTING DAMAGED SIGNS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

F. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN INVENTORY OF ALL SIGNS MOVED DURING CONSTRUCTION.

8. PROPER DRAINAGE SHALL BE MAINTAINED IN THE IMPROVEMENT AREA DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

9. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT AT THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

10. THE COST OF THE REMOVAL OF ANY EXISTING POLES, POSTS, TREE STUMPS (WITH A DIAMETER LESS THAN 6 INCHES) OR OTHER OBSTRUCTIONS WHICH INTERFERE WITH THE PROPOSED IMPROVEMENTS AND WHICH ARE NOT PAID UNDER SEPARATE PAY ITEMS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

11. THE CONTRACTOR SHALL PLACE FRESH OIL WARNING SIGNS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

12. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE ENGINEER BEFORE BEGINNING WORK ON ANY STREET.

13. WHEN PAVING IN THE VICINITY OF SCHOOLS OR PUBLIC BUILDINGS, THE CONTRACTOR SHALL SCHEDULE THE APPLICATION OF PRIME COAT TO BE DONE NOT LESS THAN 30 MINUTES NOR MORE THAN TWO HOURS BEFORE THE PLACEMENT OF THE BITUMINOUS CONCRETE MATERIAL.

14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PAVEMENT OPENINGS, OPEN HOLES, EQUIPMENT AND RUBBLE LEFT IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS.

15. ALL DRIVEWAYS, CARRIAGE WALKS, AND SERVICE WALKS ADJACENT TO THE NEW CURB AND GUTTER AND MARKED FOR REMOVAL WILL BE RECONSTRUCTED TO PROVIDE GENTLE SLOPES AND PROFILES AS DIRECTED BY THE ENGINEER.

16. ALL PARKWAYS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY GRADED AND RECEIVE FOUR INCHES OF TOPSOIL AND SODDING.

17. PLACEMENT OF TOPSOIL SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SODDING SHALL BE PLACED EITHER PRIOR TO JUNE 15 OR AFTER SEPTEMBER 15.

18. THE CONTRACTOR MAY BE REQUIRED TO PUT A GRADE BREAK IN THE SCREED AND ADJUST THE CONTROLS OF HIS PAVING MACHINE TO ALLOW THE REQUIRED THICKNESS OF ASPHALT OVER THE FULL PAVEMENT CROSS SECTION.

19. THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE SURFACE OF EACH SUCCESSIVE NEW BITUMINOUS COURSE PRIOR TO PLACEMENT OF THE NEXT BITUMINOUS COURSE AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

20. FRAMES, LIDS AND GRATES OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED OR REPLACED IN THIS PROJECT SHALL BE SALVAGED AND REMAIN THE PROPERTY OF THE VILLAGE OF LIBERTYVILLE. THE CONTRACTOR SHALL DELIVER THESE CASTINGS TO A FACILITY DESIGNATED BY THE VILLAGE.

21. ALL FRAMES WITH CLOSED LIDS FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD STORM; ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD SANITARY; ALL LIDS TO BE USED ON WATER SYSTEM STRUCTURES SHALL BEAR THE WORD WATER. THIS SHALL BE CONSIDERED INCLUDED WITH THE FRAME AND CLOSED LID PROVIDED.

22. ALL FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

23. NOT USED

24. NOT USED

25. SIDEWALKS SHALL BE THICKENED TO 6 INCHES ACROSS THE DRIVEWAYS AND WILL BE PAID FOR AS P.C.C. SIDEWALK, 6 INCHES.

26. EXPENSE INVOLVED IN CONNECTING PROPOSED SEWERS TO EXISTING SEWERS OR PROPOSED SEWERS TO EXISTING SEWER STRUCTURES OR PROPOSED SEWER STRUCTURES TO EXISTING SEWERS WITH A CONCRETE COLLAR OR AS SPECIFIED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED WITH THE ITEM BEING CONNECTED.

27. THE REMOVAL OF ANY EXISTING STORM SEWERS SHALL BE PAID FOR AS "STORM SEWER REMOVAL" REGARDLESS OF DIAMETER. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS, EXCEPT THE PIPE SHALL NOT BE SALVAGED.

28. THE USE OF THE EXISTING MAILBOXES ON ALL ROADS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR PER THE REQUIREMENTS OF THE UNITED STATES POSTAL SERVICE (USPS) DURING CONSTRUCTION. WHEN CONSTRUCTION IS COMPLETED, THE EXISTING MAILBOXES SHALL BE RESET AT THEIR PROPER LOCATION PER THE REQUIREMENTS OF THE USPS. ANY DAMAGE TO THE EXISTING MAILBOXES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.

29. ONLY PRECAST ADJUSTMENT RINGS WILL BE ALLOWED FOR THE ADJUSTMENTS OF CATCH BASINS, MANHOLES, VALVE VAULTS AND INLETS. NO MORE THAN 2 RINGS FOR A TOTAL ADJUSTMENT OF 24 INCHES WILL BE ALLOWED.

30. A HALF TRAP WILL NOT BE REQUIRED FOR PROPOSED CATCH BASINS.

31. OFFSETS AND TOP OF FRAME ELEVATIONS FOR CATCH BASINS AND INLETS WHICH ARE LOCATED IN THE GUTTER ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS AND ELEVATIONS FOR STRUCTURES NOT LOCATED IN THE GUTTER ARE TO THE CENTER OF STRUCTURE.

32. ALL PIPE SLOPES ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. THE LENGTH OF PIPE WILL BE MEASURED PER ARTICLE 550.08.

33. ONLY CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL MATERIAL. ONLY METHOD 1 OF ARTICLE 550.07 WILL BE ALLOWED TO COMPACT CA-6.

34. THE REMOVAL OF EXISTING PIPE CULVERTS OR END SECTIONS SHALL BE INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS.

35. THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF ALL SIDEWALKS, CURB AND GUTTER, PAVEMENT AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO THE PROPOSED IMPROVEMENTS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE WORK SITE ON THE DAY OF ITS EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR HAULING THESE MATERIALS OUTSIDE THE PROJECT LIMITS.

36. CAST IRON STEPS WILL NOT BE REQUIRED IN PRECAST MANHOLES AND CATCH BASINS UNLESS OTHERWISE DIRECTED BY ENGINEER.

37. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED WITH ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

38. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE VILLAGE.

39. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURBS & GUTTERS. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED

40. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC., SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED, INCLUDING PAVEMENT REMOVAL REQUIRED FOR PAVEMENT PATCHES.

41. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXCAVATION TRENCHES DURING THE INSTALLATION OF STORM SEWER, WATER MAIN, AND SANITARY SEWER TO INCLUDE ANY SHORING OR DEWATERING EQUIPMENT NECESSARY. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

42. THE CONTRACTOR SHALL CONTROL DUST RESULTING FROM CONSTRUCTION OPERATIONS BY APPLYING A UNIFORM APPLICATION OF SPRINKLED WATER AS REQUIRED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

43. THE CONTRACTOR SHALL COORDINATE CHANGES TO POSTAL DELIVERY WITHIN THE PROJECT LIMITS CAUSED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE PARTY GIVEN BELOW AT LEAST FIVE (5) BUSINESS DAYS BEFORE SERVICE INTERRUPTIONS WILL OCCUR. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.

U.S. POSTAL SERVICE  
1520 ARTAUS PKWY  
LIBERTYVILLE, IL 60048  
CONTACT: POSTMASTER 847-382-2286

44. THE VILLAGE OF LIBERTYVILLE DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.

45. POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

REVISIONS	
NAME	DATE

**CG** **Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email [chicago@ciorba.com](mailto:chicago@ciorba.com)

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

**GENERAL NOTES**

SCALE: N.T.S.  
DATE: JANUARY, 2005

DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-R5	LAKE	67	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

## SUMMARY OF QUANTITIES

I000-2A

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS)	UNIT	15
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	38
20101000	TEMPORARY FENCE	FOOT	2450
20101100	TREE TRUNK PROTECTION	EACH	40
20101200	TREE ROOT PRUNING	EACH	44
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	33
20200100	EARTH EXCAVATION	CU YD	3390
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1007
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	280
20800150	TRENCH BACKFILL	CU YD	1815
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	820
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8000
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	99
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	99
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	99
* 25200110	SODDING, SALT TOLERANT	SQ YD	8000
* 25200200	SUPPLEMENTAL WATERING	UNIT	24
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	164
28000510	INLET FILTERS	EACH	47
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1450
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	55
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	120
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6600
40600300	AGGREGATE (PRIME COAT)	TON	22
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	15
42001300	PROTECTIVE COAT	SQ YD	3800
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	384
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	10500
42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	SQ FT	3450
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	5328
44000100	PAVEMENT REMOVAL	SQ YD	6310
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1375
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6545
44000600	SIDEWALK REMOVAL	SQ FT	8100
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	110
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	330
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	330

I000-2A

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	330
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	250
550B0030	STORM SEWERS, CLASS B, TYPE 1 8"	FOOT	12
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	99
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	185
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"	FOOT	41
55021700	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 15"	FOOT	951
55021800	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 18"	FOOT	432
55100300	STORM SEWER REMOVAL 8"	FOOT	367
55100400	STORM SEWER REMOVAL 10"	FOOT	38
55100500	STORM SEWER REMOVAL 12"	FOOT	39
56109210	WATER VALVES TO BE ADJUSTED	EACH	12
56300300	ADJUSTING WATER SERVICE LINES	FOOT	100
56400800	FIRE HYDRANT AND VALVE TO BE MOVED	EACH	1
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	24
60107600	PIPE UNDERDRAINS 4"	FOOT	81
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6
60255500	MANHOLES TO BE ADJUSTED	EACH	16
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60256930	MANHOLES TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	1
60261000	INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	3
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5
60500040	REMOVING MANHOLES	EACH	1
60500050	REMOVING CATCH BASINS	EACH	5
60500060	REMOVING INLETS	EACH	11
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	6600
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	650
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1000
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	220
72000100	SIGN PANEL - TYPE 1	SQ FT	153
72900100	METAL POST - TYPE A	FOOT	370

I000-2A

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5700
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3300
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	200
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	205
X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	206
X0322034	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	245
X0322124	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	20
X3550300	BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	1160
X3550700	BITUMINOUS BASE COURSE SUPERPAVE 10"	SQ YD	5475
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	130
X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	TON	930
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	800
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	620
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	3
XX003338	TEST HOLE	EACH	10
XX004394	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 3V FRAME AND GRATE	EACH	28
XX004689	SANITARY SERVICE TO BE ADJUSTED	EACH	5
XX004990	CATCH BASINS TYPE C, TYPE 3V FRAME AND GRATE	EACH	6
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	6900
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0076600	TRAINEES	HOUR	500
	SPEED TABLE	L SUM	1

△

△ Y080  
\* SPECIALTY ITEM

**CG** Giorba Group, Inc.  
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Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@giorba.com

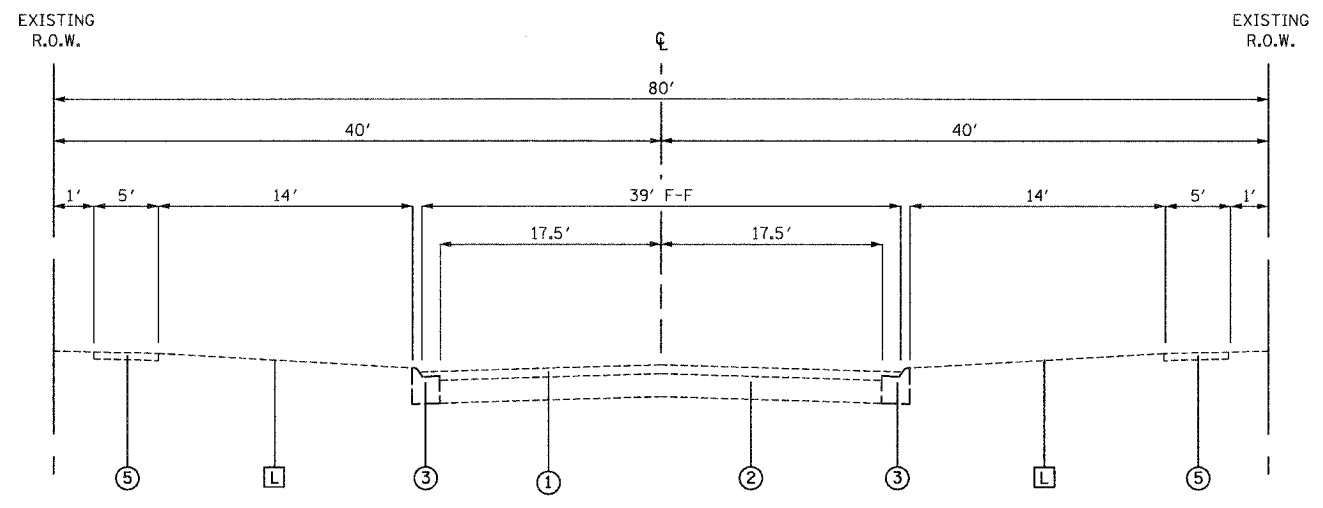
REVISIONS	
NAME	DATE

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

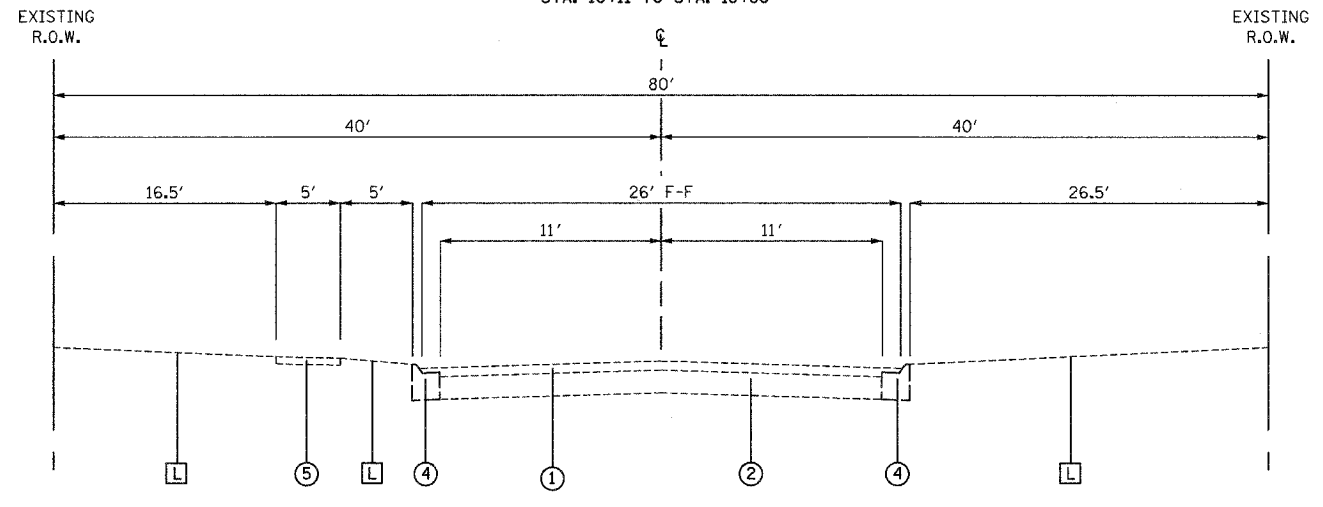
### SUMMARY OF QUANTITIES

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DATE: JANUARY, 2005

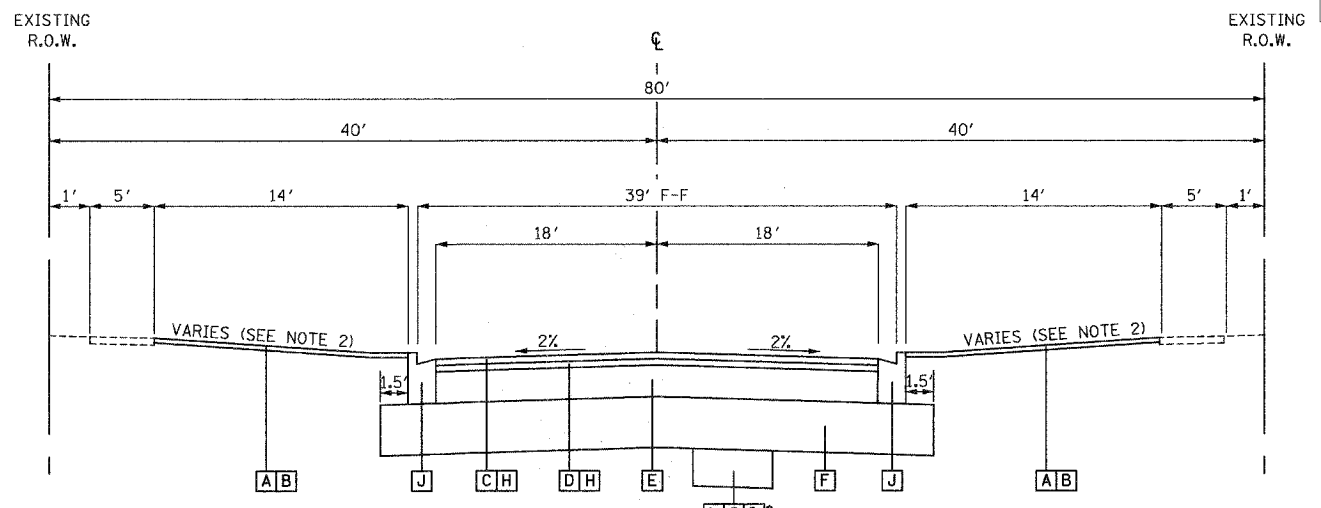
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CHECKED BY: MJL/MRJ



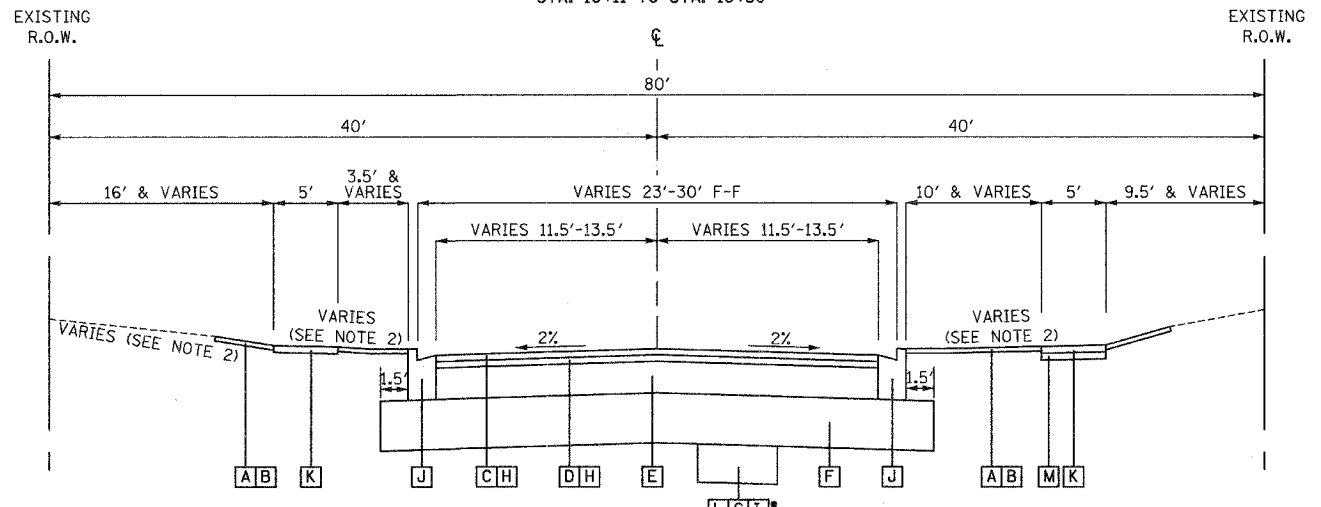
EXISTING TYPICAL SECTION  
FOURTH AVENUE  
STA. 10+11 TO STA. 18+80



EXISTING TYPICAL SECTION  
FOURTH AVENUE  
STA. 18+80 TO STA. 26+07



PROPOSED TYPICAL SECTION  
FOURTH AVENUE  
STA. 10+11 TO STA. 16+50



PROPOSED TYPICAL SECTION  
FOURTH AVENUE  
STA. 16+50 TO STA. 26+07

**EXISTING CONDITIONS**

- ① EXISTING BITUMINOUS SURFACE, 3-6" (TO BE PAID FOR AS PAVEMENT REMOVAL, SEE NOTE 3)
- ② EXISTING AGGREGATE BASE, 8" (TO BE PAID FOR AS PAVEMENT REMOVAL)
- ③ EXISTING M-4.24 CONCRETE CURB AND GUTTER (TO BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL)
- ④ EXISTING M-4.12 CONCRETE CURB AND GUTTER (TO BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL)
- ⑤ EXISTING P.C.C. SIDEWALK (TO BE PAID FOR AS SIDEWALK REMOVAL)

**NOTES**

- 1. P.C.C. SIDEWALK, 5" SHALL BE PLACED WHERE INDICATED ON PLANS OR AS DIRECTED BY THE ENGINEER.
- 2. SEE CROSS SECTIONS FOR PARKWAY ELEVATIONS AND SLOPES.
- 3. REMOVAL AND DISPOSAL OF BITUMINOUS SURFACE OVERLAYING THE GUTTER IS INCIDENTAL TO CONCRETE CURB AND GUTTER REMOVAL.

**PROPOSED CONDITIONS**

- (A) SODDING, SALT TOLERANT
- (B) TOPSOIL, FURNISH AND PLACE, (4")
- (C) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "D", N50 (1 1/2")
- (D) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50 (2 1/2")
- (E) BITUMINOUS BASE COURSE, SUPERPAVE, (10")
- (F) AGGREGATE SUBGRADE, 12"
- (G) POROUS GRANULAR EMBANKMENT, SUBGRADE\*
- (H) BITUMINOUS MATERIAL (PRIME COAT) & AGGREGATE (PRIME COAT)
- (I) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION\*
- (J) COMBINATION CURB AND GUTTER, TYPE B-6.18
- (K) P.C.C. SIDEWALK, 5" (SEE NOTE 1)
- (L) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (M) SUBBASE GRANULAR MATERIAL, TYPE B, 4"

**MIXTURE DESIGN TABLE**

ITEM	AC TYPE	VOIDS	RAP %
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "D", N50	PG 64-22	4% @ 50 GYRATION	15%
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19, N50	PG 58-22	4% @ 50 GYRATION	25%
BITUMINOUS BASE COURSE, SUPERPAVE	PG 58-22	2% @ 50 GYRATION	50%
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50**	PG 64-22	4% @ 50 GYRATION	50%
CLASS D PATCHES, TYPE I - IV, 6 INCH	PG 64-22	4% @ 70 GYRATION	15%
LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	PG 64-22	4% @ 50 GYRATION	15%

\* AT LOCATIONS IN THE FIELD DETERMINED BY THE ENGINEER  
\*\* TO BE USED FOR BITUMINOUS DRIVEWAYS

**FOURTH AVENUE**

STRUCTURAL DESIGN FACTOR:	YEAR 2024
PV = 4.465	SU = 188
ROAD/STREET CLASSIFICATION:	CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 95	S = 4
TRAFFIC FACTOR:	ACTUAL TF = 0.4
	MINIMUM TF = 0.5
AC GRADE:	BINDER = PG 58-22
	SURFACE = PG 64-22
SUBGRADE SUPPORT RATING:	
SSR = POOR (STA. 10+11 TO STA. 42+35)	
IBR = 2.0 (STA. 10+11 TO STA. 42+35)	

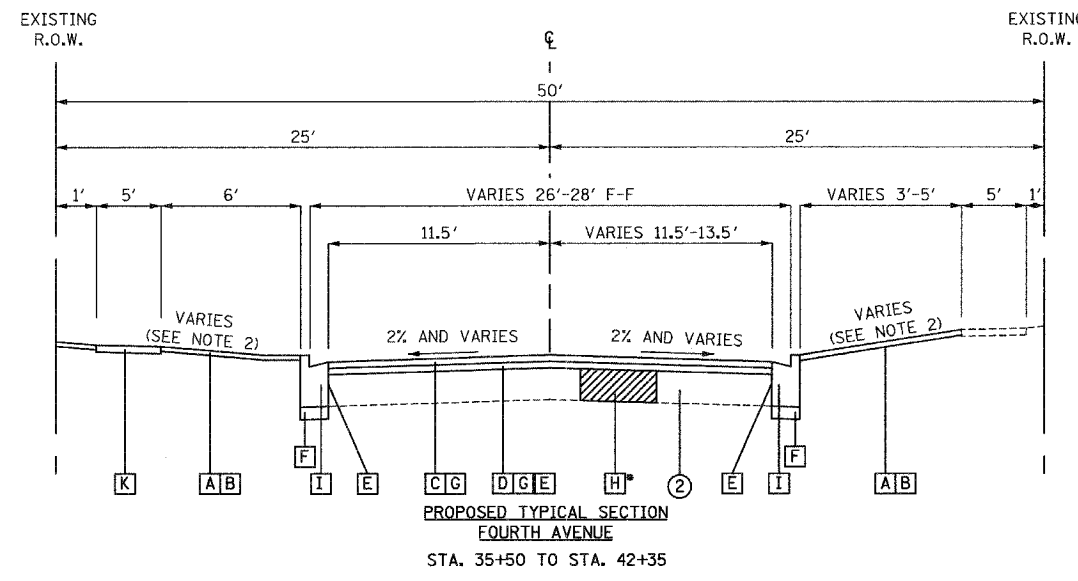
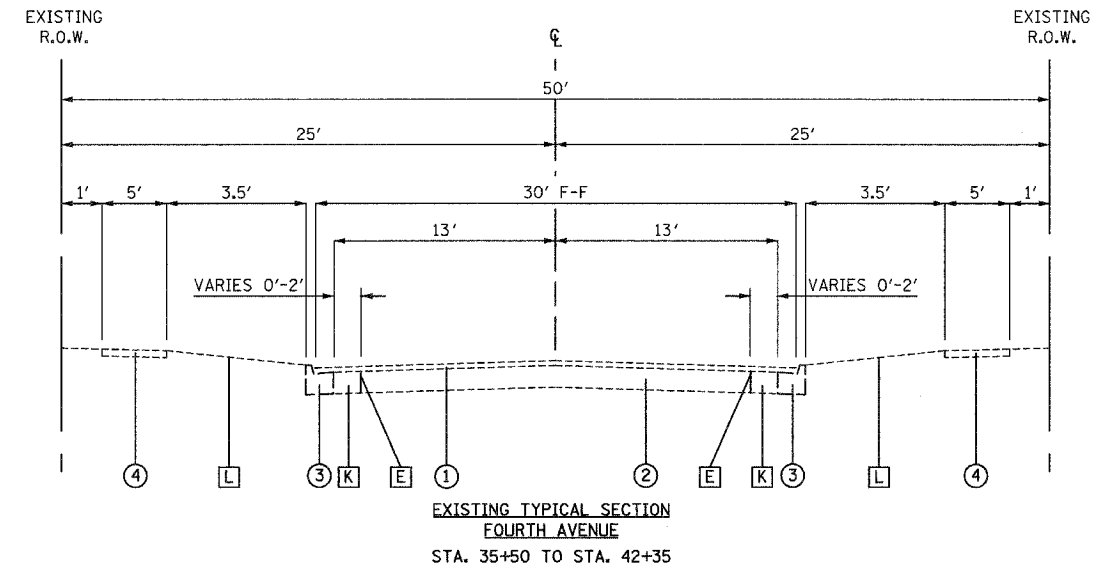
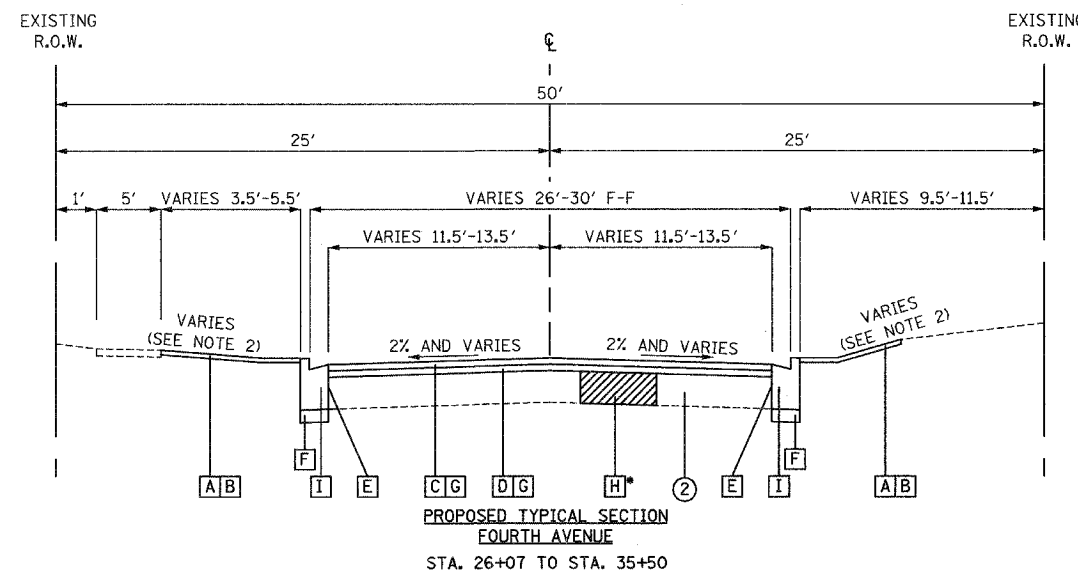
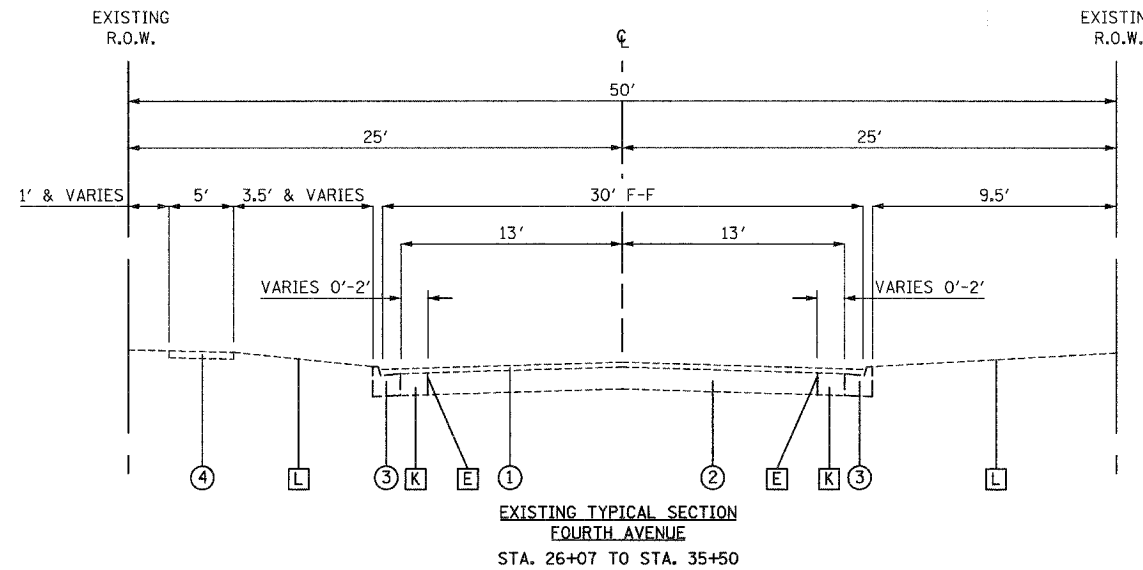
REVISIONS	
NAME	DATE

**Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
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Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

TYPICAL SECTIONS  
FOURTH AVENUE

SCALE: N.T.S. DRAWN BY: JCC  
DATE: JANUARY, 2005 CHECKED BY: MRJ



**EXISTING CONDITIONS**

- ① EXISTING BITUMINOUS SURFACE, 2-3" (TO BE PAID FOR AS BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH (0"-3"), SEE NOTE 3)
- ② EXISTING P.C.C. BASE, 6.0"
- ③ EXISTING B-6.18 CONCRETE CURB AND GUTTER (TO BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL)
- ④ EXISTING P.C.C. SIDEWALK (TO BE PAID FOR AS SIDEWALK REMOVAL)

**PROPOSED CONDITIONS**

- (A) SODDING, SALT TOLERANT
- (B) TOPSOIL, FURNISH AND PLACE, (4")
- (C) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "D", N50 (1 1/2")
- (D) LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50 (1" AND VARIES)
- (E) FULL DEPTH SAWCUT AT PROPOSED EDGE OF PAVEMENT (INCIDENTAL TO REMOVAL ITEM)
- (F) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (G) BITUMINOUS MATERIAL (PRIME COAT) & AGGREGATE (PRIME COAT)
- (H) CLASS D PATCHES, 6" (SUPERPAVE, IL - 19, N70)\*
- (I) COMBINATION CURB AND GUTTER, TYPE B-6.18
- (J) P.C.C. SIDEWALK, 5" (SEE NOTE 1)
- (K) PAVEMENT REMOVAL

**NOTES**

1. P.C.C. SIDEWALK, 5" SHALL BE PLACED WHERE INDICATED ON PLANS OR AS DIRECTED BY THE ENGINEER.
2. SEE CROSS SECTIONS FOR PARKWAY ELEVATIONS AND SLOPES.
3. REMOVAL AND DISPOSAL OF BITUMINOUS SURFACE OVERLAYING THE GUTTER IS INCIDENTAL TO CONCRETE CURB AND GUTTER REMOVAL.

\* AT LOCATIONS IN THE FIELD DETERMINED BY THE ENGINEER

REVISIONS	
NAME	DATE

**Giorba Group, Inc.**  
CONSULTING ENGINEERS  
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Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@giorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

TYPICAL SECTIONS  
FOURTH AVENUE

SCALE: N.T.S. DRAWN BY: JCC  
DATE: JANUARY, 2005 CHECKED BY: MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		
		STPM - 8003 (442)		
CONTRACT NO.: 83784				

FOURTH AVENUE LOCATION STATION TO STATION	EARTH EXCAVATION (CU YD)	UNSUITABLE MATERIAL (CU YD)	*UNDERCUT AND PGE PLACEMENT (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE - 15%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-) (CU YD)
---	--------------------------	-----------------------------	-------------------------------------	--	--------------------	---

STAGE I						
26+07 TO 27+00	17	13	--	15	5	10
27+00 TO 28+00	24	13	--	20	9	11
28+00 TO 29+00	23	13	--	20	10	9
29+00 TO 30+00	32	13	--	27	11	16
30+00 TO 31+00	22	13	--	19	14	5
31+00 TO 32+00	16	10	--	14	7	6
32+00 TO 33+00	3	10	--	2	12	-9
33+00 TO 34+00	4	13	--	4	17	-14
34+00 TO 35+00	14	13	--	12	13	-1
35+00 TO 36+00	9	5	--	8	7	1
36+00 TO 37+00	15	8	--	13	13	0
37+00 TO 38+00	17	8	--	15	14	1
38+00 TO 39+00	10	8	--	9	18	-9
39+00 TO 40+00	6	4	--	5	8	-3
40+00 TO 41+00	13	8	--	11	12	-1
41+00 TO 42+00	18	8	--	16	10	5
42+00 TO 42+35	10	4	--	8	3	5
STAGE I TOTAL	254	167	0	216	182	34

STAGE II						
10+11 TO 11+00	275	21	--	234	14	220
11+00 TO 12+00	246	30	--	209	14	195
12+00 TO 13+00	249	30	--	212	14	198
13+00 TO 14+00	231	30	--	197	15	182
14+00 TO 15+00	221	30	--	188	14	174
15+00 TO 16+00	156	30	--	133	14	118
16+00 TO 17+00	91	30	--	77	39	38
17+00 TO 18+00	125	26	--	106	62	44
18+00 TO 19+00	132	23	--	112	104	9
19+00 TO 20+00	126	46	--	107	16	91
20+00 TO 21+00	155	46	--	132	14	118
21+00 TO 22+00	344	46	--	292	13	279
22+00 TO 23+00	177	40	--	151	33	118
23+00 TO 24+00	201	40	--	171	28	143
24+00 TO 25+00	176	46	--	150	18	132
25+00 TO 26+00	214	46	--	182	13	169
26+00 TO 26+07	16	3	--	13	1	12
STAGE II TOTAL	3136	560	280	2665	425	2240

TOTALS (CY)	3390	727	280	2882	607	2274
-------------	------	-----	-----	------	-----	------

\* UNDERCUT DETERMINED IN FIELD BY ENGINEER

PAY ITEMS	STAGE I	STAGE II	TOTALS
EARTH EXCAVATION (CU YD)	254	3136	3390
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	167	840	1007
POROUS GRANULAR EMBANKMENT (CU YD)	0	280	280

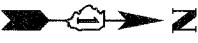
**Glomba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
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REVISIONS	
NAME	DATE

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
  
SCHEDULE OF QUANTITIES  
  
SCALE: N.T.S. DRAWN BY: KDM  
DATE: JANUARY, 2005 CHECKED BY: MJL/MRJ

DATE: 01/04/2005 11:46:00 AM FILENAME: R:\PROJECTS\2005\01\04\20050104\15.LXD\QUANT.DWG

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.:				



**Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
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Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

KEY SHEET

SCALE: NTS  
DATE: JANUARY, 2005

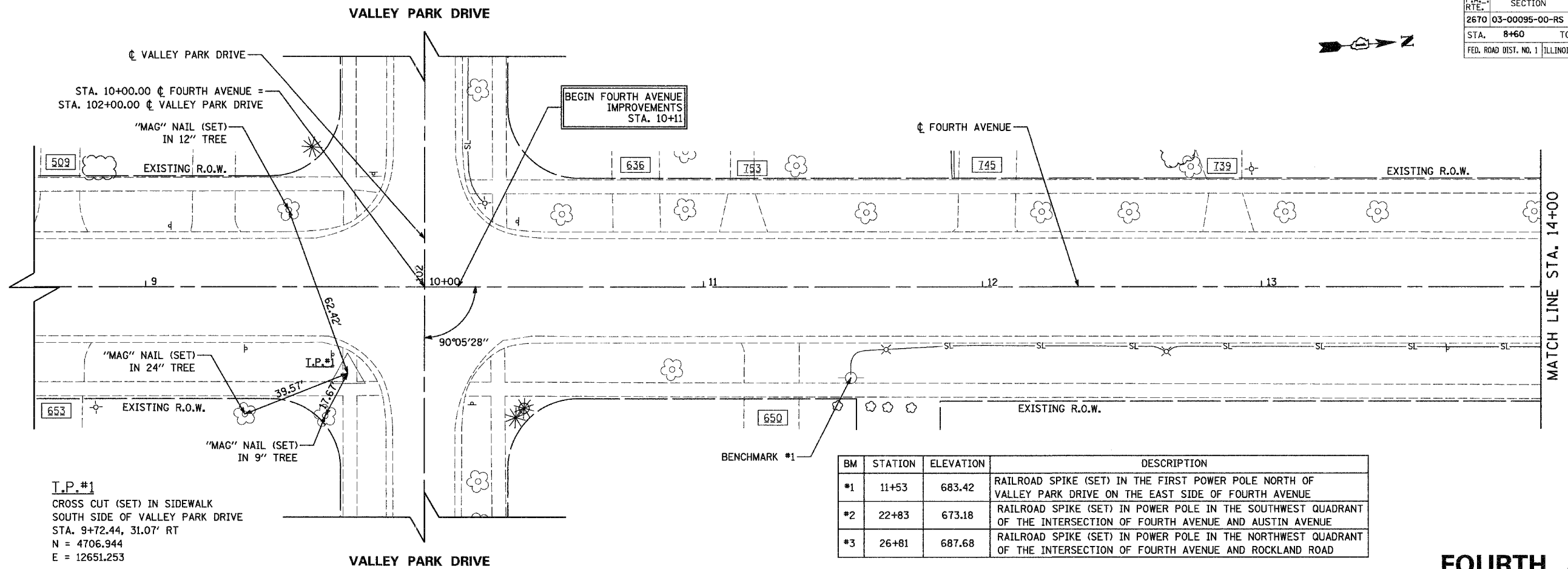
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REVISIONS	
NAME	DATE

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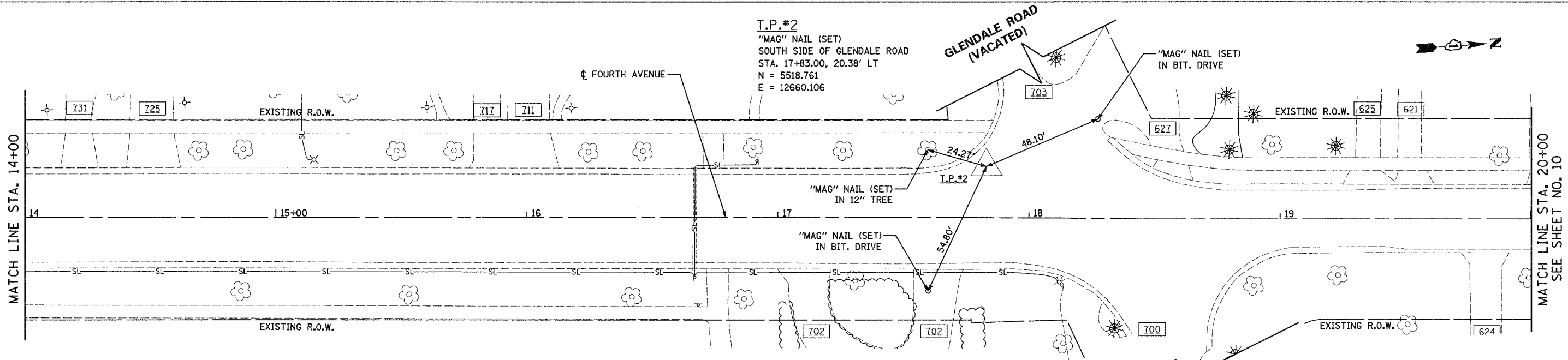
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	9
STA. 8+60	TO STA. 20+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				



BM	STATION	ELEVATION	DESCRIPTION
*1	11+53	683.42	RAILROAD SPIKE (SET) IN THE FIRST POWER POLE NORTH OF VALLEY PARK DRIVE ON THE EAST SIDE OF FOURTH AVENUE
*2	22+83	673.18	RAILROAD SPIKE (SET) IN POWER POLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND AUSTIN AVENUE
*3	26+81	687.68	RAILROAD SPIKE (SET) IN POWER POLE IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND ROCKLAND ROAD

**I.P.#1**  
 CROSS CUT (SET) IN SIDEWALK  
 SOUTH SIDE OF VALLEY PARK DRIVE  
 STA. 9+72.44, 31.07' RT  
 N = 4706.944  
 E = 12651.253

**FOURTH AVENUE**



**I.P.#2**  
 'MAG' NAIL (SET)  
 SOUTH SIDE OF GLENDALE ROAD  
 STA. 17+83.00, 20.38' LT  
 N = 5518.761  
 E = 12660.106

PROJECT COORDINATES  
 PROPOSED FOURTH AVENUE C

STATION	NORTHING	EASTING
10+11.00	4746.834	12623.591
17+72.54	5506.185	12681.080
18+49.04	5582.415	12687.468
26+16.81	6348.015	12745.118
26+82.83	6413.873	12749.811
42+34.74	7961.350	12866.906
42+35.00	7961.614	12866.924

**Clorba Group, Inc.**  
 CONSULTING ENGINEERS  
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 Tel. 773.775.4008 Fax 773.775.4014 Email: chicago@clorba.com

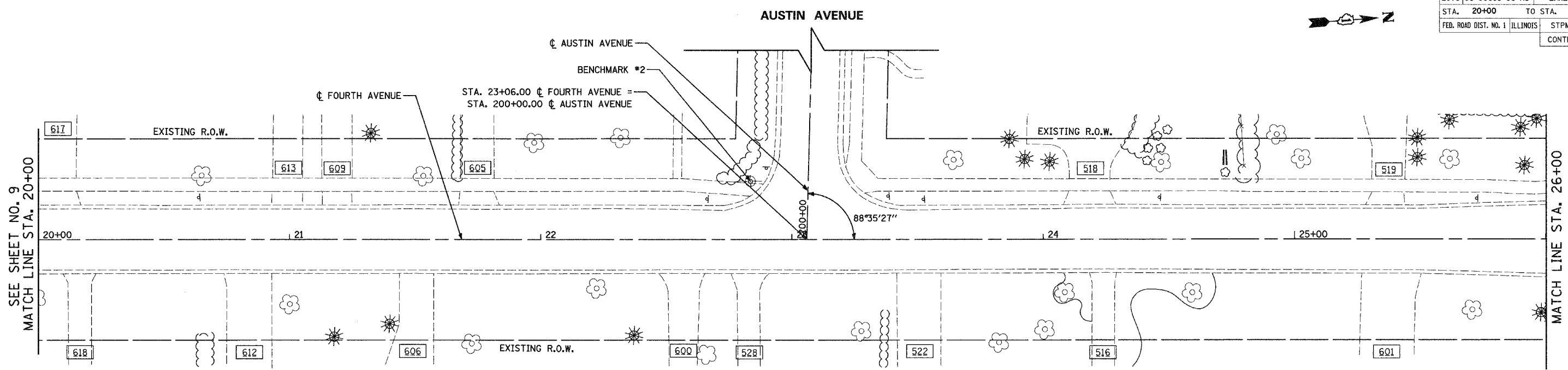
VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 ALIGNMENT, TIES, & BENCHMARKS  
 STA. 8+60 TO STA. 20+00

REVISIONS	
NAME	DATE

SCALE: 1"=20'  
 DATE: JANUARY, 2005  
 DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ

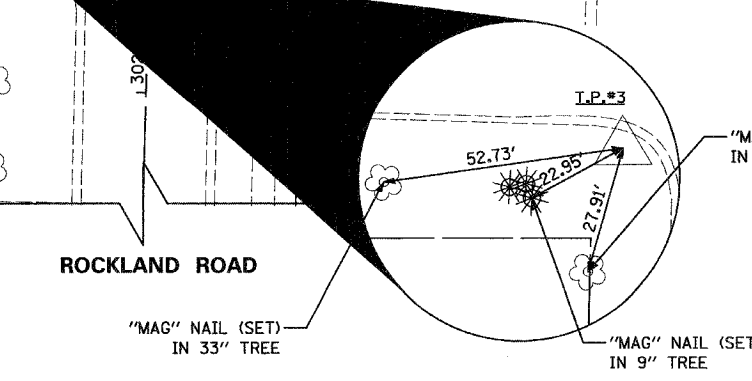
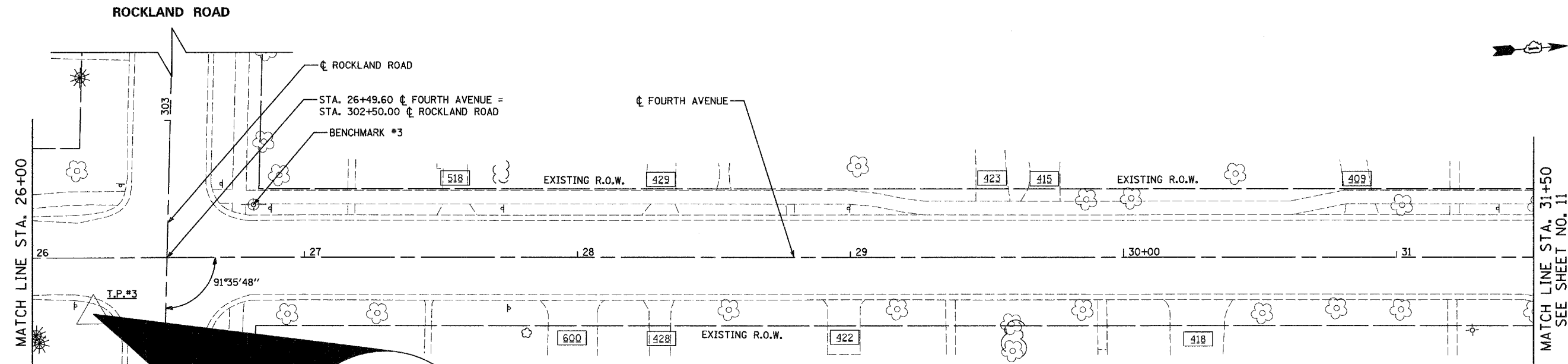
**FOURTH AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	10
STA. 20+00	TO STA. 31+50			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				



BM	STATION	ELEVATION	DESCRIPTION
#1	11+53	683.42	RAILROAD SPIKE (SET) IN THE FIRST POWER POLE NORTH OF VALLEY PARK DRIVE ON THE EAST SIDE OF FOURTH AVENUE
#2	22+83	673.18	RAILROAD SPIKE (SET) IN POWER POLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND AUSTIN AVENUE
#3	26+81	687.68	RAILROAD SPIKE (SET) IN POWER POLE IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND ROCKLAND ROAD

**FOURTH AVENUE**



PROJECT COORDINATES  
PROPOSED FOURTH AVENUE C

STATION	NORTHING	EASTING
10+11.00	4746.834	12623.591
17+72.54	5506.185	12681.080
18+49.04	5582.415	12687.468
26+16.81	6348.015	12745.118
26+82.83	6413.873	12749.811
42+34.74	7961.350	12866.906
42+35.00	7961.614	12866.924

REVISIONS	
NAME	DATE

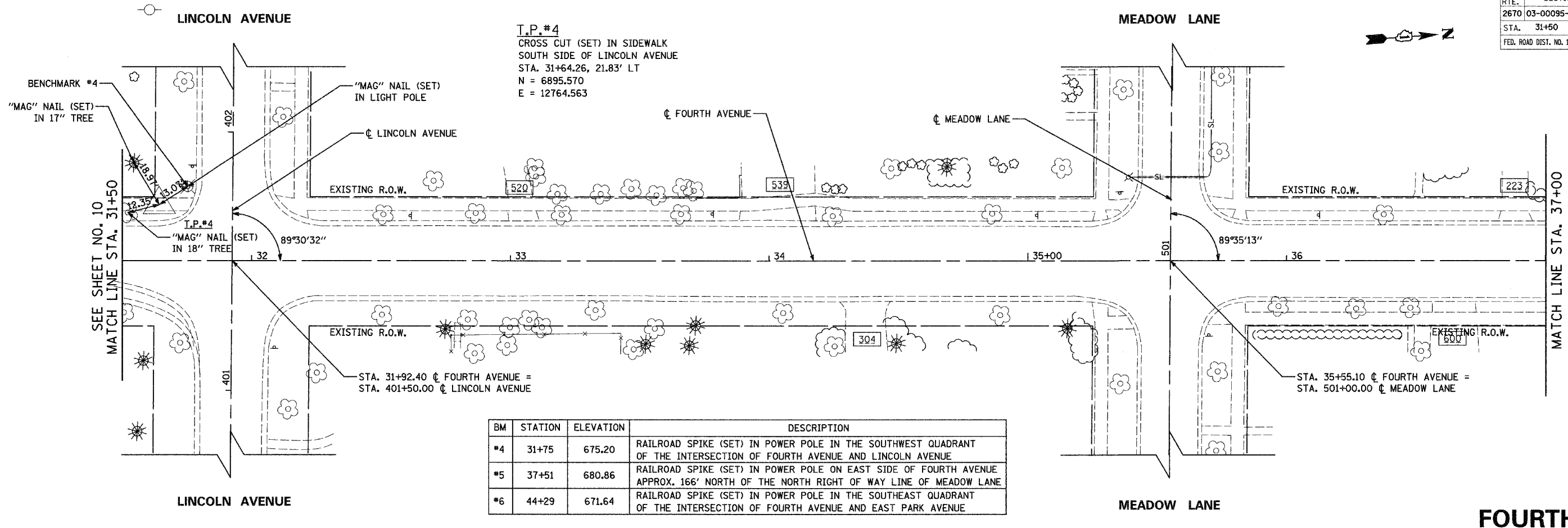
**Giorba Group, Inc.**  
CONSULTING ENGINEERS  
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Tel. 773.775.4009 Fax 773.775.4014 Email chicago@giorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
ALIGNMENT, TIES, & BENCHMARKS  
STA. 20+00 TO STA. 31+50

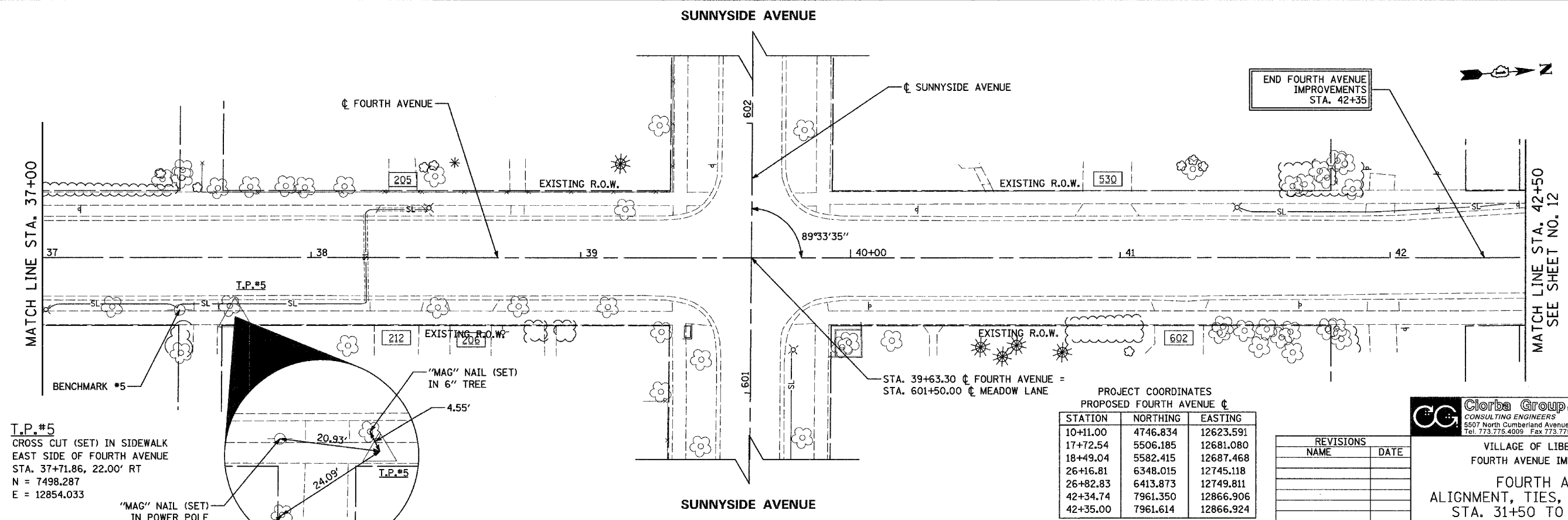
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DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

**FOURTH AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	11
STA. 31+50	TO STA. 42+50			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		CONTRACT NO.: 83784



BM	STATION	ELEVATION	DESCRIPTION
#4	31+75	675.20	RAILROAD SPIKE (SET) IN POWER POLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND LINCOLN AVENUE
#5	37+51	680.86	RAILROAD SPIKE (SET) IN POWER POLE ON EAST SIDE OF FOURTH AVENUE APPROX. 166' NORTH OF THE NORTH RIGHT OF WAY LINE OF MEADOW LANE
#6	44+29	671.64	RAILROAD SPIKE (SET) IN POWER POLE IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND EAST PARK AVENUE



PROJECT COORDINATES  
PROPOSED FOURTH AVENUE C

STATION	NORTHING	EASTING
10+11.00	4746.834	12623.591
17+72.54	5506.185	12681.080
18+49.04	5582.415	12687.468
26+16.81	6348.015	12745.118
26+82.83	6413.873	12749.811
42+34.74	7961.350	12866.906
42+35.00	7961.614	12866.924

REVISIONS	
NAME	DATE

**Clorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402, Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

FOURTH AVENUE  
ALIGNMENT, TIES, & BENCHMARKS  
STA. 31+50 TO STA. 42+50

SCALE: 1"=20'  
DATE: JANUARY, 2005

DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

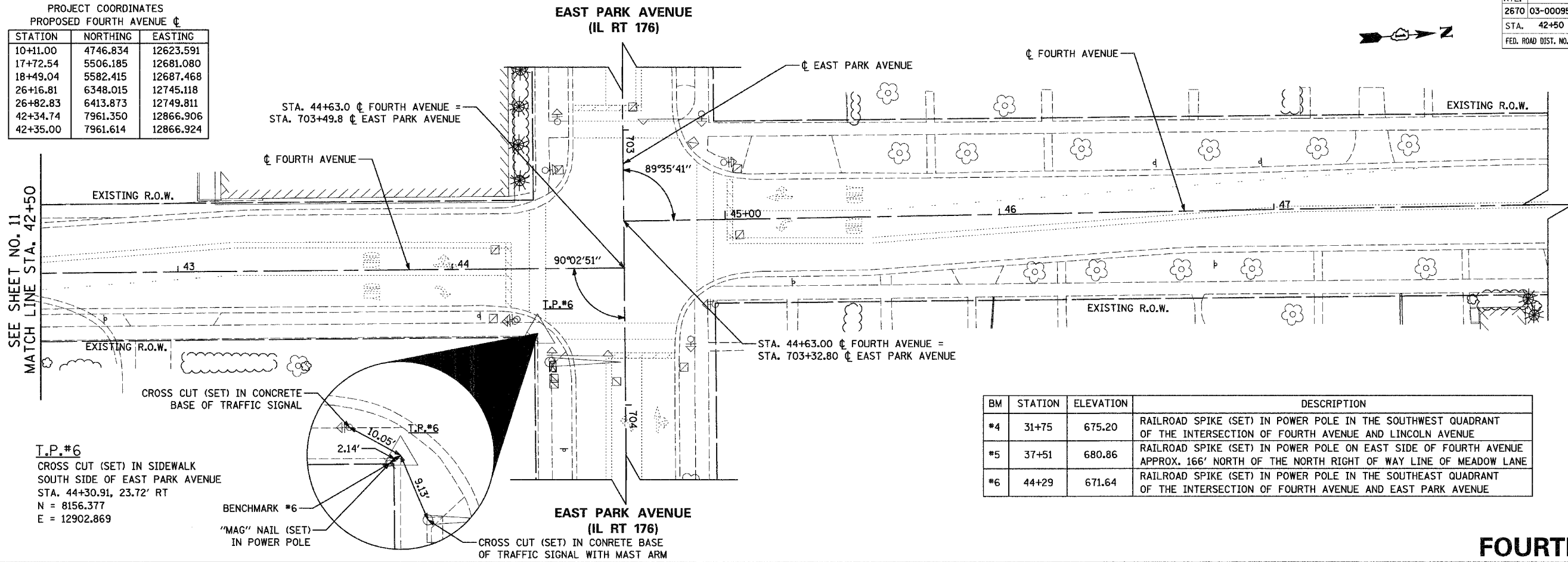
**T.P.#5**  
CROSS CUT (SET) IN SIDEWALK  
EAST SIDE OF FOURTH AVENUE  
STA. 37+71.86, 22.00' RT  
N = 7498.287  
E = 12854.033

**T.P.#4**  
CROSS CUT (SET) IN SIDEWALK  
SOUTH SIDE OF LINCOLN AVENUE  
STA. 31+64.26, 21.83' LT  
N = 6895.570  
E = 12764.563

PROJECT COORDINATES  
PROPOSED FOURTH AVENUE C

STATION	NORTHING	EASTING
10+11.00	4746.834	12623.591
17+72.54	5506.185	12681.080
18+49.04	5582.415	12687.468
26+16.81	6348.015	12745.118
26+82.83	6413.873	12749.811
42+34.74	7961.350	12866.906
42+35.00	7961.614	12866.924

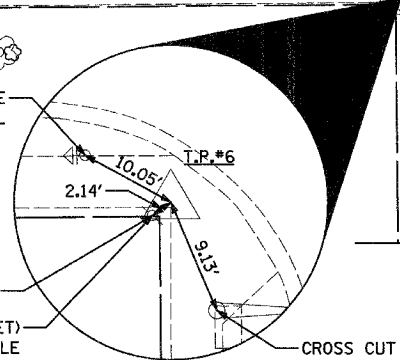
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	12
STA. 42+50	TO STA. 48+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				



BM	STATION	ELEVATION	DESCRIPTION
*4	31+75	675.20	RAILROAD SPIKE (SET) IN POWER POLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND LINCOLN AVENUE
*5	37+51	680.86	RAILROAD SPIKE (SET) IN POWER POLE ON EAST SIDE OF FOURTH AVENUE APPROX. 166' NORTH OF THE NORTH RIGHT OF WAY LINE OF MEADOW LANE
*6	44+29	671.64	RAILROAD SPIKE (SET) IN POWER POLE IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF FOURTH AVENUE AND EAST PARK AVENUE

**T.P.#6**  
CROSS CUT (SET) IN SIDEWALK  
SOUTH SIDE OF EAST PARK AVENUE  
STA. 44+30.91, 23.72' RT  
N = 8156.377  
E = 12902.869

**BENCHMARK #6**  
'MAG' NAIL (SET)  
IN POWER POLE



**FOURTH AVENUE**

**CG** Ciorba Group, Inc.  
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5507 North Cumberland Avenue, Suite 402, Chicago, Illinois 60656  
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REVISIONS	
NAME	DATE

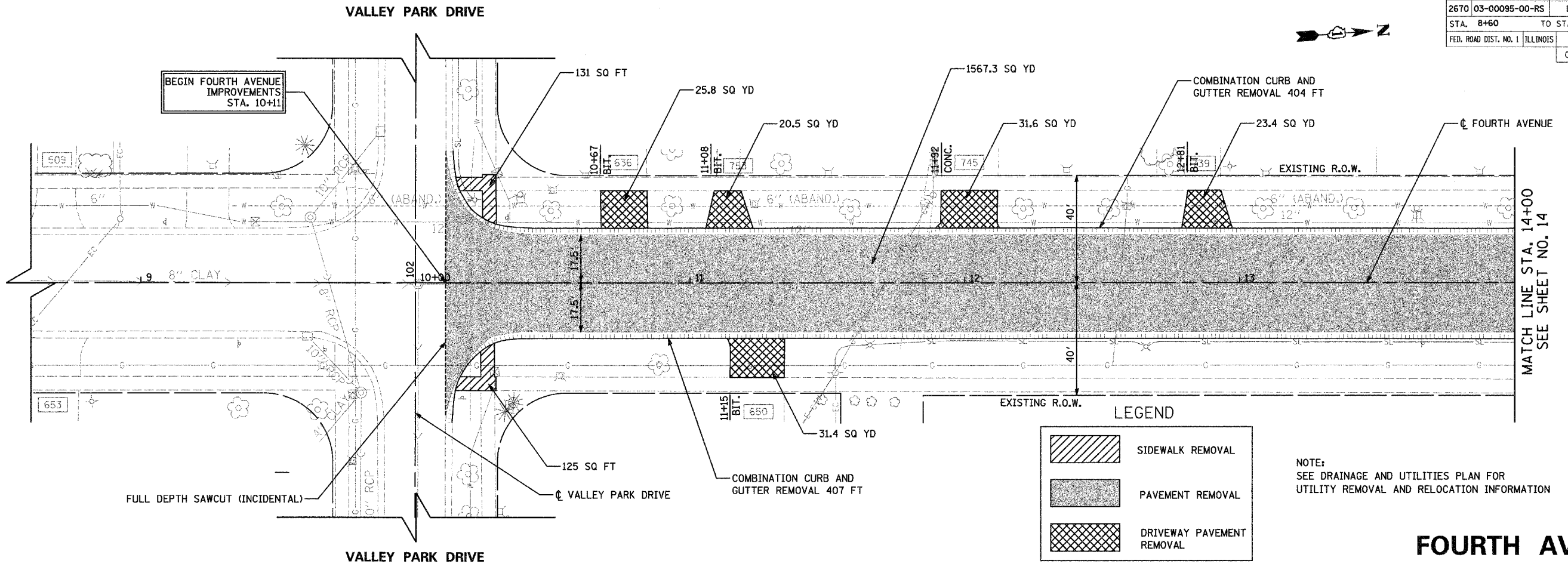
VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
  
FOURTH AVENUE  
ALIGNMENT, TIES, & BENCHMARKS  
STA. 42+50 TO STA. 48+00

SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	13
STA. 8+60	TO STA. 14+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

PLAN	SURVEYED	DATE
	BY	
	NOTED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	BY	
	NOTED	
	BY	
	DATE	

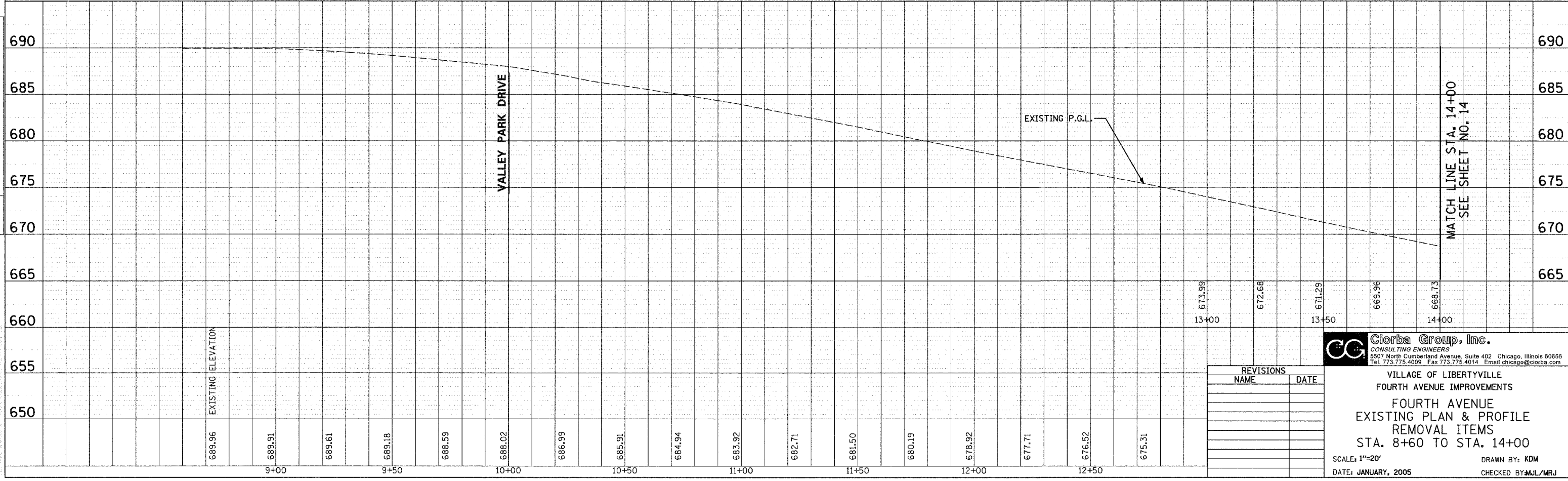


**LEGEND**

- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

NOTE:  
SEE DRAINAGE AND UTILITIES PLAN FOR  
UTILITY REMOVAL AND RELOCATION INFORMATION

## FOURTH AVENUE



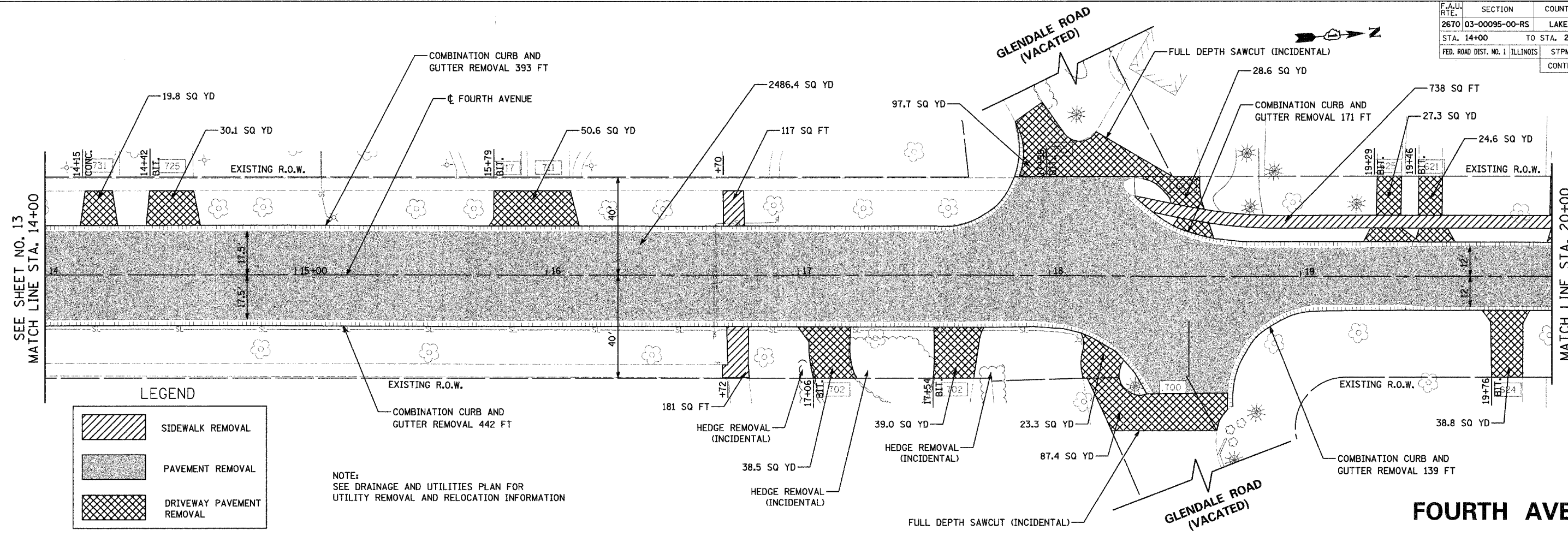
REVISIONS	
NAME	DATE

**CG** **Giorba Group, Inc.**  
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3507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60658  
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@giorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING PLAN & PROFILE  
REMOVAL ITEMS  
STA. 8+60 TO STA. 14+00  
SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	14
STA. 14+00		TO STA. 20+00		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.: 83784				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	ENGINEER	
	REVISIONS	
	NO. OF WA. CHECKED	
	CADD FILE NAME	

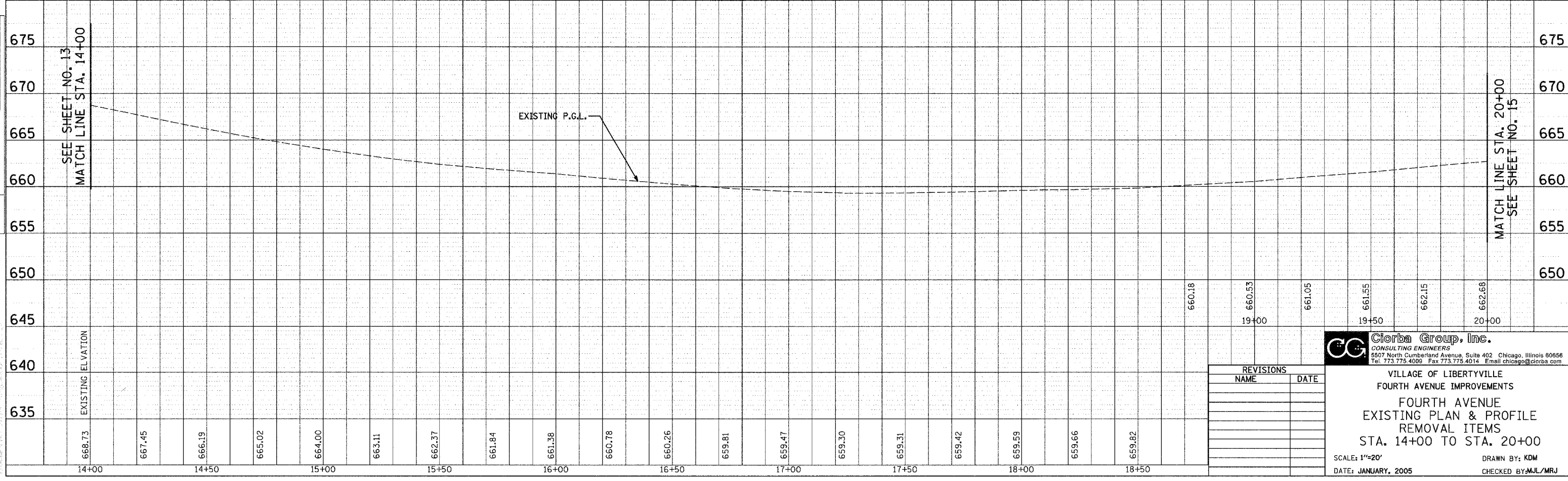


**LEGEND**

- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

NOTE:  
SEE DRAINAGE AND UTILITIES PLAN FOR  
UTILITY REMOVAL AND RELOCATION INFORMATION

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	ENGINEER	
	REVISIONS	
	NO. OF WA. CHECKED	
	CADD FILE NAME	



REVISIONS	
NAME	DATE

**Clorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

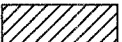


VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING PLAN & PROFILE  
REMOVAL ITEMS  
STA. 14+00 TO STA. 20+00

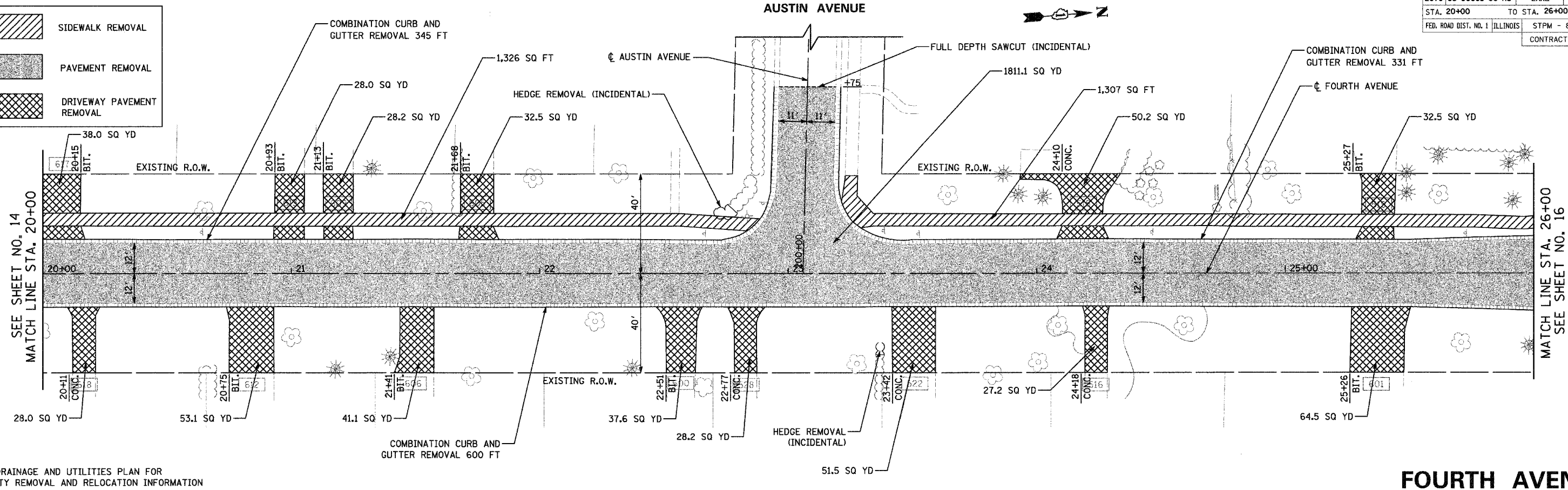
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DATE: JANUARY, 2005

DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	15
STA. 20+00		TO STA. 26+00		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.: 83784				

**LEGEND**

-  SIDEWALK REMOVAL
-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL

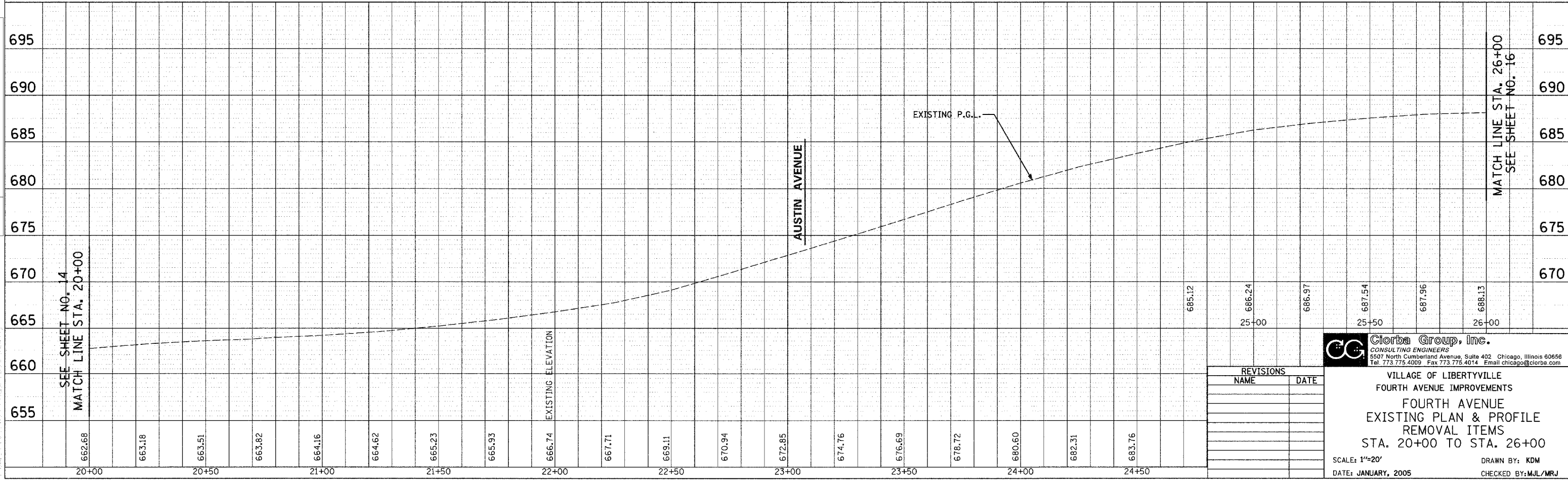


NOTE:  
SEE DRAINAGE AND UTILITIES PLAN FOR  
UTILITY REMOVAL AND RELOCATION INFORMATION

**FOURTH AVENUE**

PLAN	DATE
BY	
REVIEWED	
NOTED	
DATE	

PROFILE	DATE
BY	
REVIEWED	
NOTED	
DATE	



REVISIONS	
NAME	DATE

**Ciorba Group, Inc.**  
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VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING PLAN & PROFILE  
REMOVAL ITEMS  
STA. 20+00 TO STA. 26+00  
SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRU

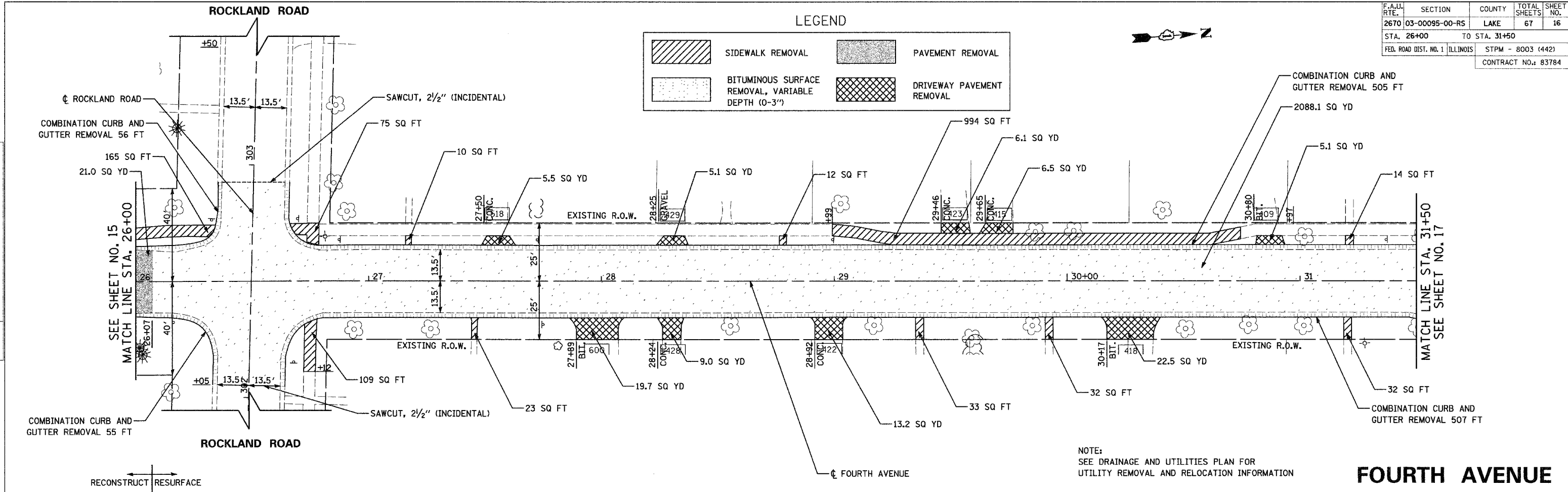
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2670	03-00095-00-RS	LAKE	67	16
STA. 26+00		TO STA. 31+50		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.: 83784				

LEGEND

	SIDEWALK REMOVAL		PAVEMENT REMOVAL
	BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH (0-3")		DRIVEWAY PAVEMENT REMOVAL



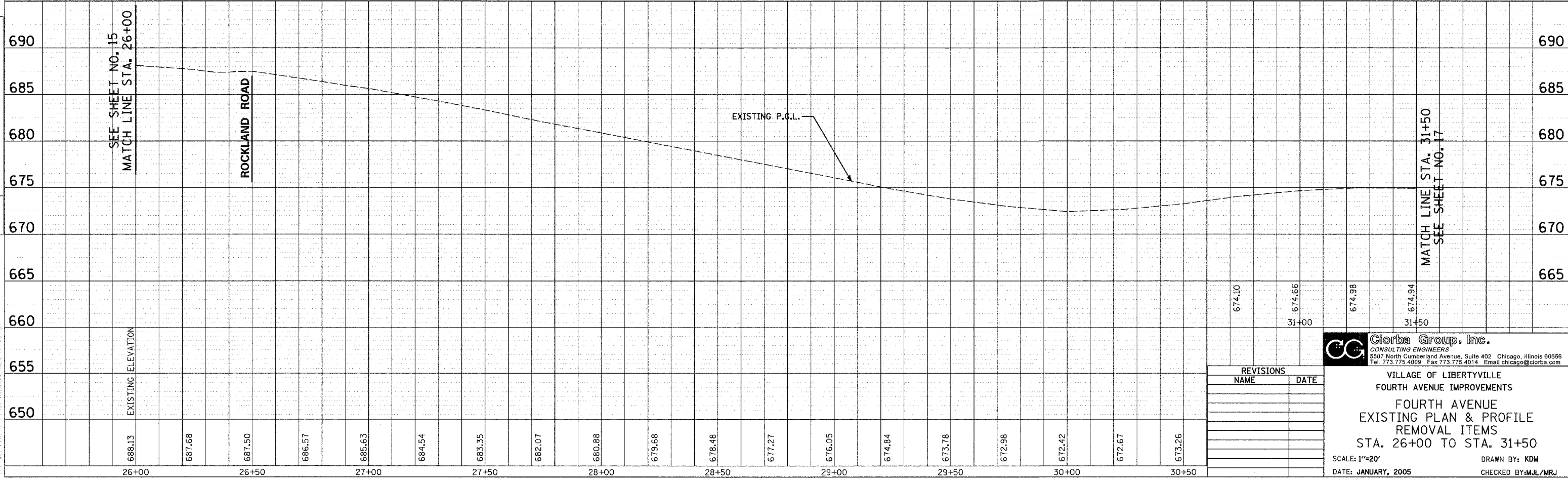
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	PLOTTED		
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	BY		
	NO. OF		
	CAD FILE		
	NAME		



NOTE:  
SEE DRAINAGE AND UTILITIES PLAN FOR  
UTILITY REMOVAL AND RELOCATION INFORMATION

FOURTH AVENUE

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO. OF		
	STRUCTURE		
	NOTATIONS		
	CHKD		



REVISIONS	
NAME	DATE

**Giorba Group, Inc.**  
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VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING PLAN & PROFILE  
REMOVAL ITEMS  
STA. 26+00 TO STA. 31+50  
SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

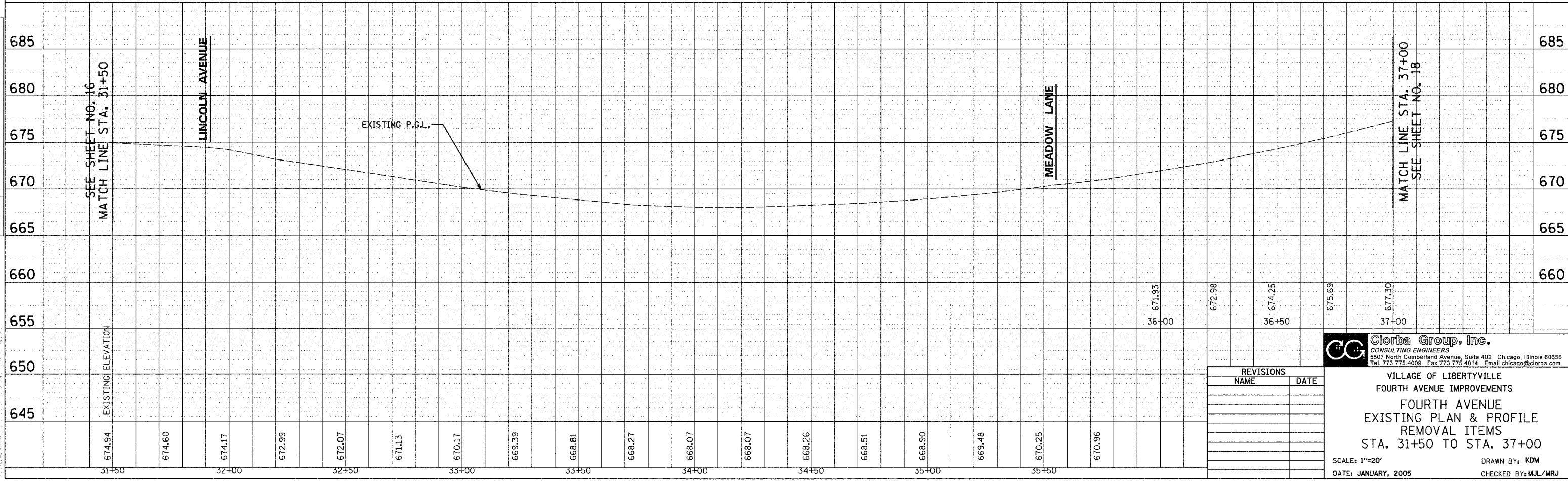
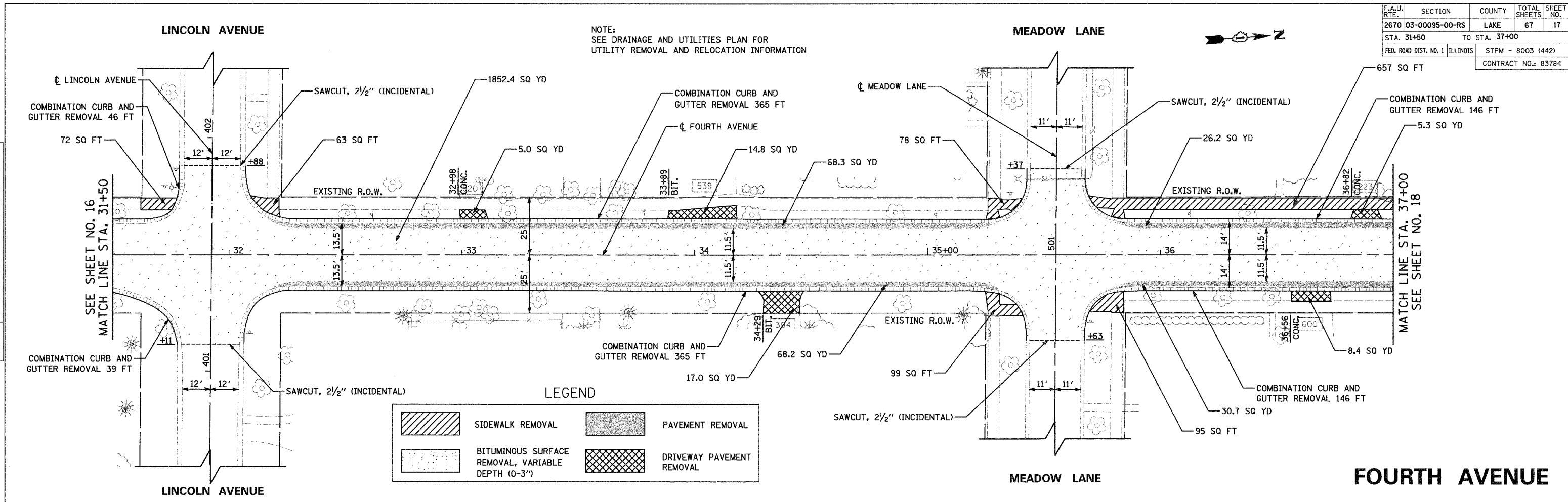


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	17
STA. 31+50		TO STA. 37+00		
FED. ROAD DIST. NO. 1		ILLINOIS		
		STPM - 8003 (442)		
CONTRACT NO.: 83784				

NOTE:  
SEE DRAINAGE AND UTILITIES PLAN FOR  
UTILITY REMOVAL AND RELOCATION INFORMATION

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	DATE	



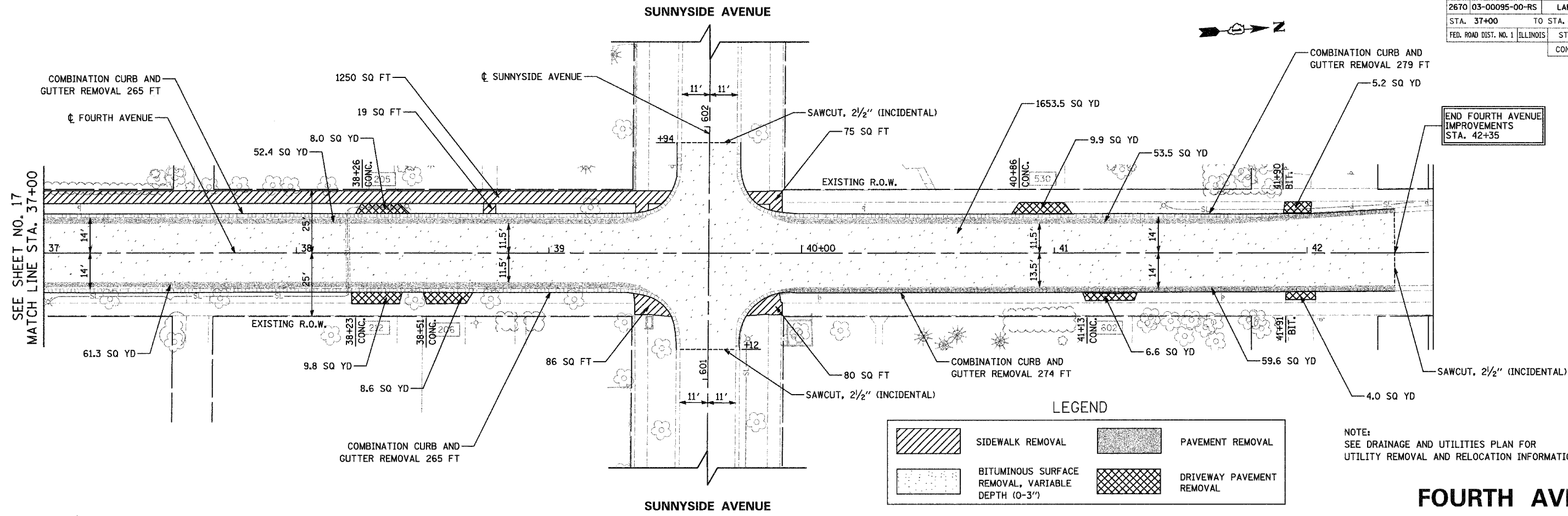
REVISIONS	
NAME	DATE

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CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60666  
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

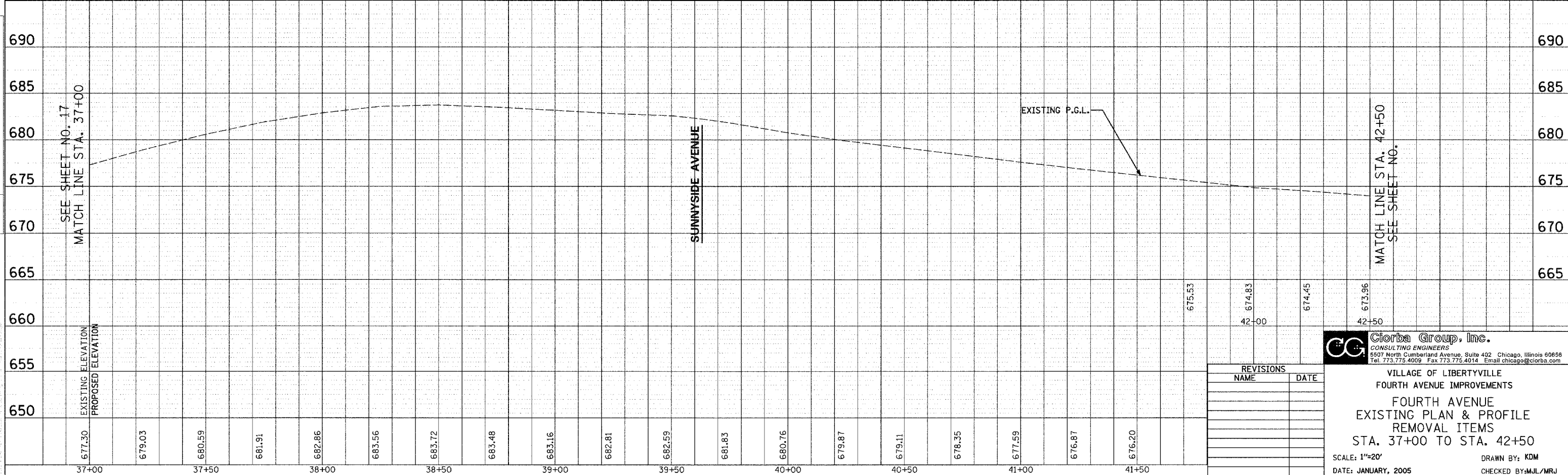
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FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING PLAN & PROFILE  
REMOVAL ITEMS  
STA. 31+50 TO STA. 37+00  
SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	18
STA. 37+00	TO STA. 42+50			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

PLAN	SURVEYED	DATE
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	DATE	
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	DATE	



PROFILE	SURVEYED	DATE
	PLOTTED	
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	BY	
	NO. OF PAGES CHECKED	
	DATE	
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	NO.	
	DATE	



REVISIONS	
NAME	DATE

**Clorba Group, Inc.**  
 CONSULTING ENGINEERS  
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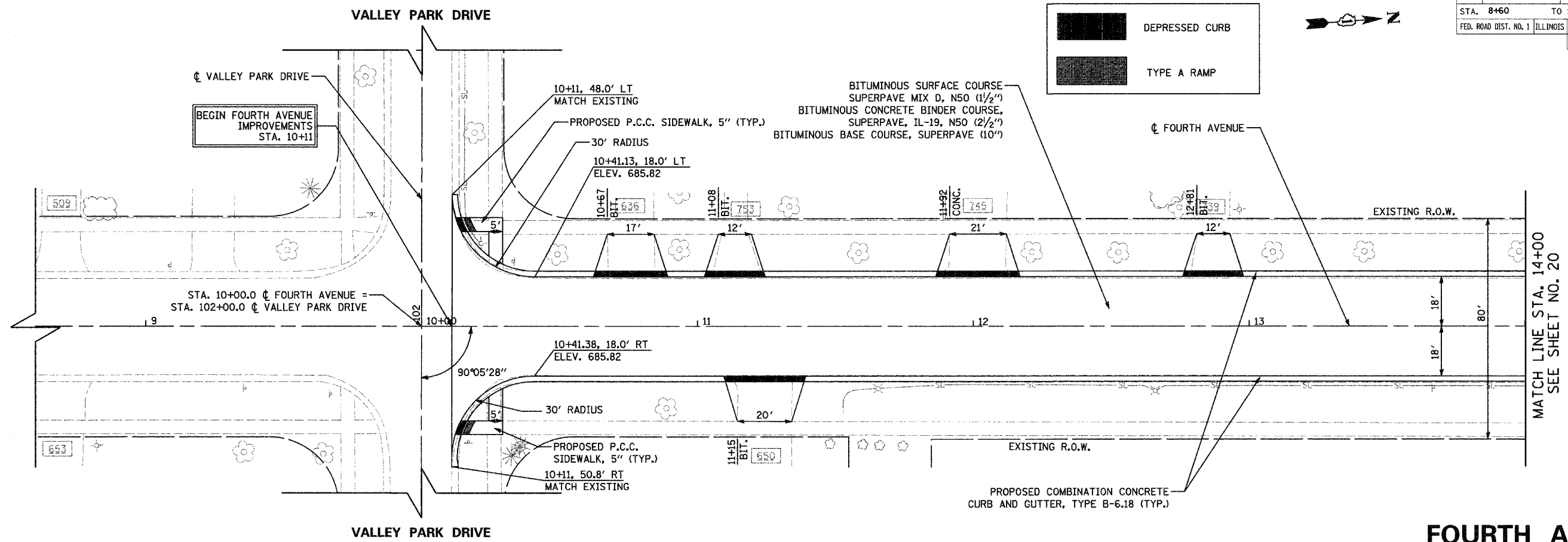
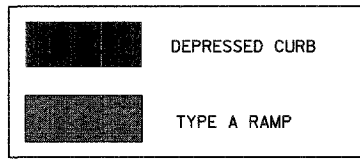
VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 EXISTING PLAN & PROFILE  
 REMOVAL ITEMS  
 STA. 37+00 TO STA. 42+50

SCALE: 1"=20'  
 DATE: JANUARY, 2005

DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ

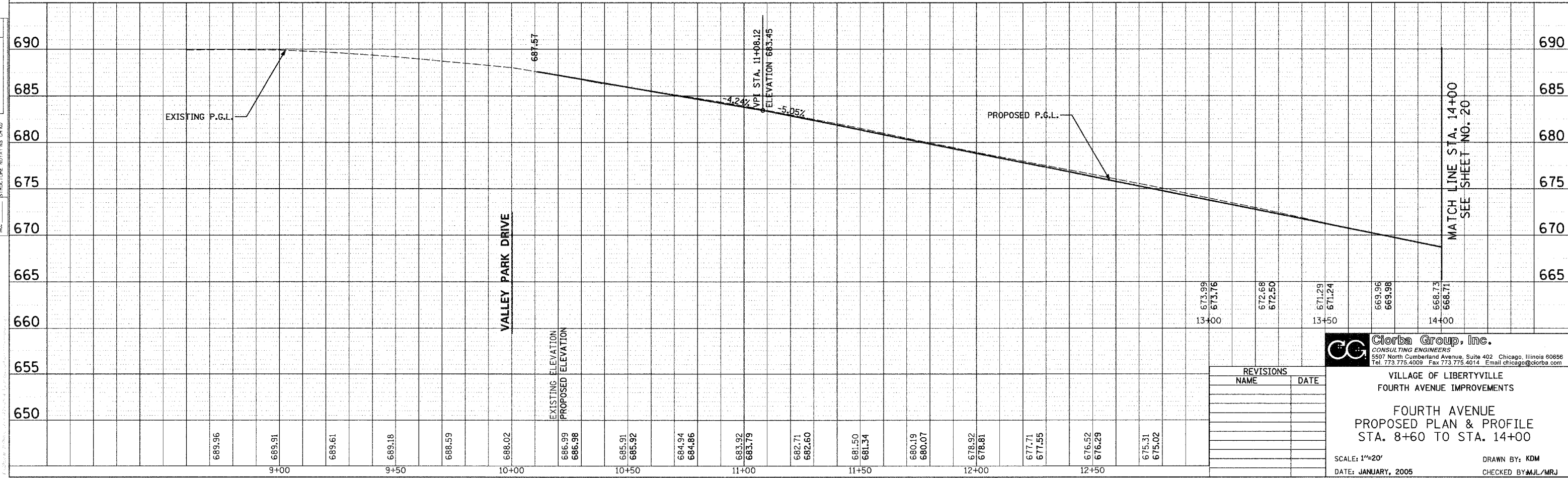
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	19
STA. 8+60	TO STA. 14+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

LEGEND



PLAN	REVISIONS	DATE
NO.	NO.	

PROFILE	REVISIONS	DATE
NO.	NO.	



REVISIONS	
NAME	DATE

**Giorba Group, Inc.**  
 CONSULTING ENGINEERS  
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
 Tel. 773.775.4009 Fax 773.775.4014 Email chicagoc@giorba.com

VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 PROPOSED PLAN & PROFILE  
 STA. 8+60 TO STA. 14+00




SCALE: 1"=20'  
 DATE: JANUARY, 2005  
 DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ





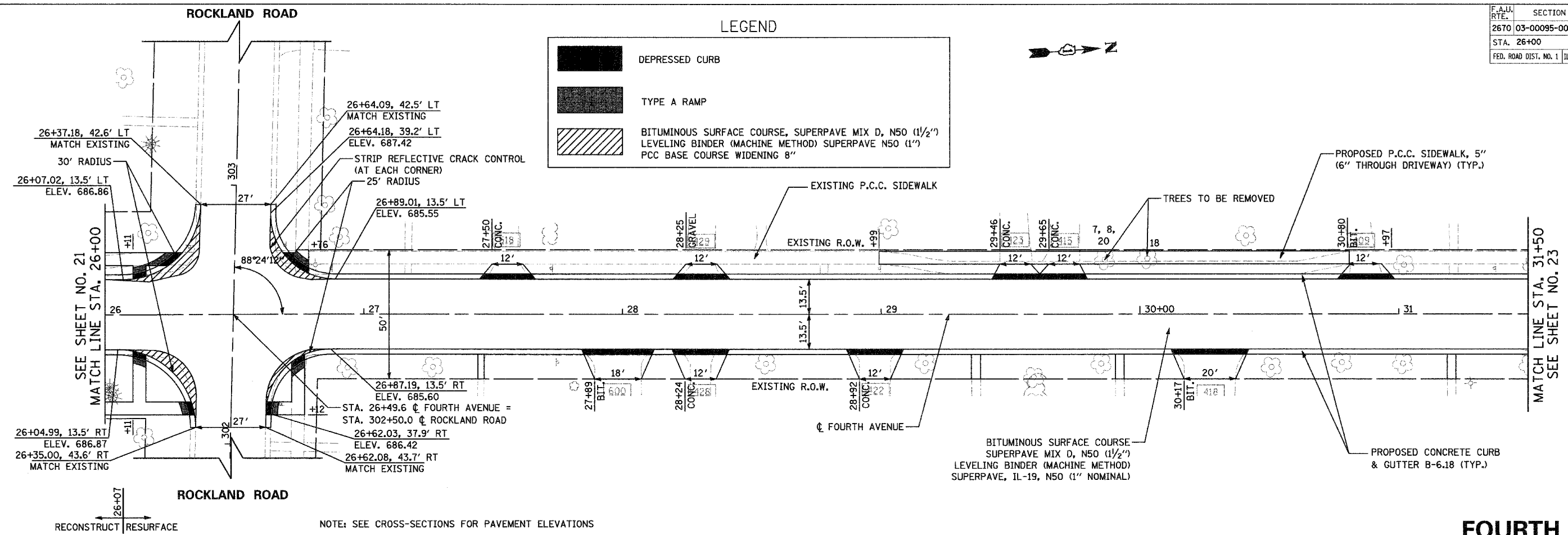
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2670	03-00095-00-RS	LAKE	67	22
STA. 26+00		TO STA. 31+50		
FED. ROAD DIST. NO. 1		ILLINOIS		STPM - 8003 (442)
CONTRACT NO.: 83784				

LEGEND

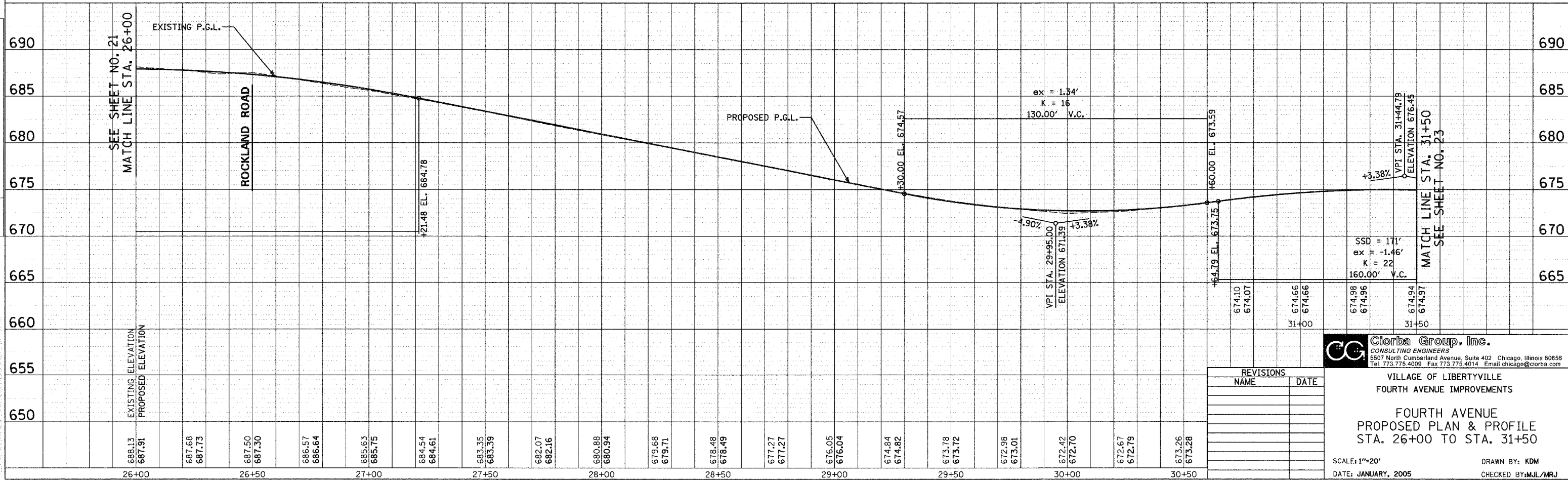
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-  TYPE A RAMP
-  BITUMINOUS SURFACE COURSE, SUPERPAVE MIX D, N50 (1 1/2")  
LEVELING BINDER (MACHINE METHOD) SUPERPAVE N50 (1")  
PCC BASE COURSE WIDENING 8"



PLAN	SURVEYED	DATE
NOTED	BY	
NO.		



PROFILE	SURVEYED	DATE
NOTED	BY	
NO.		



REVISIONS	
NAME	DATE

**CC** Giorba Group, Inc.  
CONSULTING ENGINEERS  
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Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@giorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

FOURTH AVENUE  
PROPOSED PLAN & PROFILE  
STA. 26+00 TO STA. 31+50

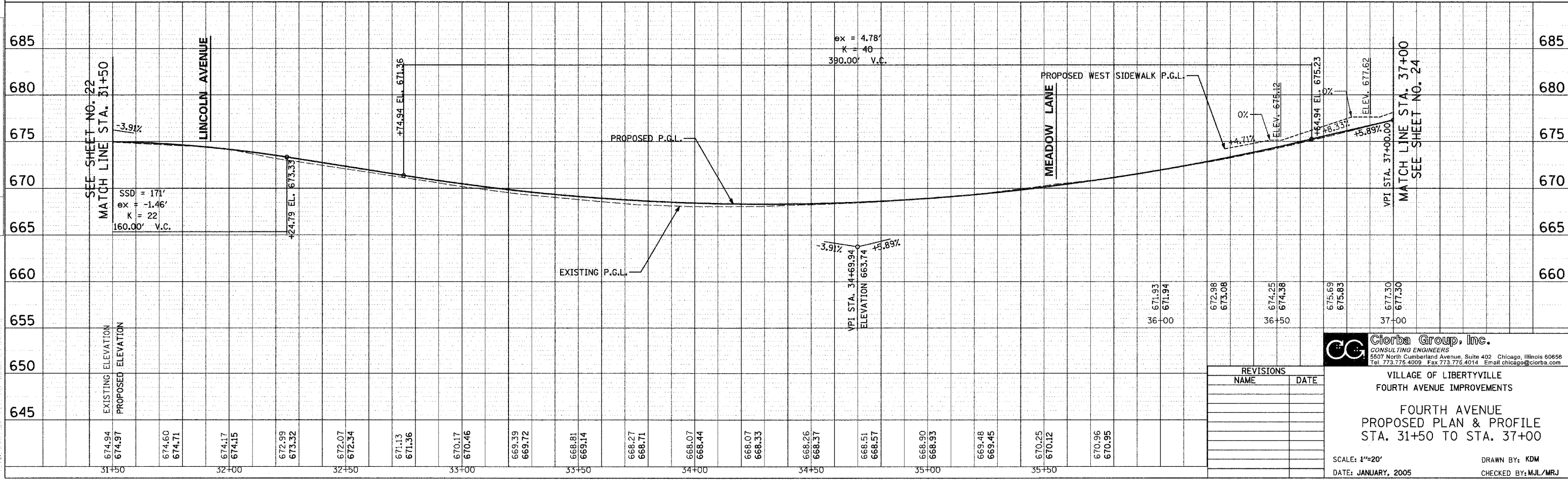
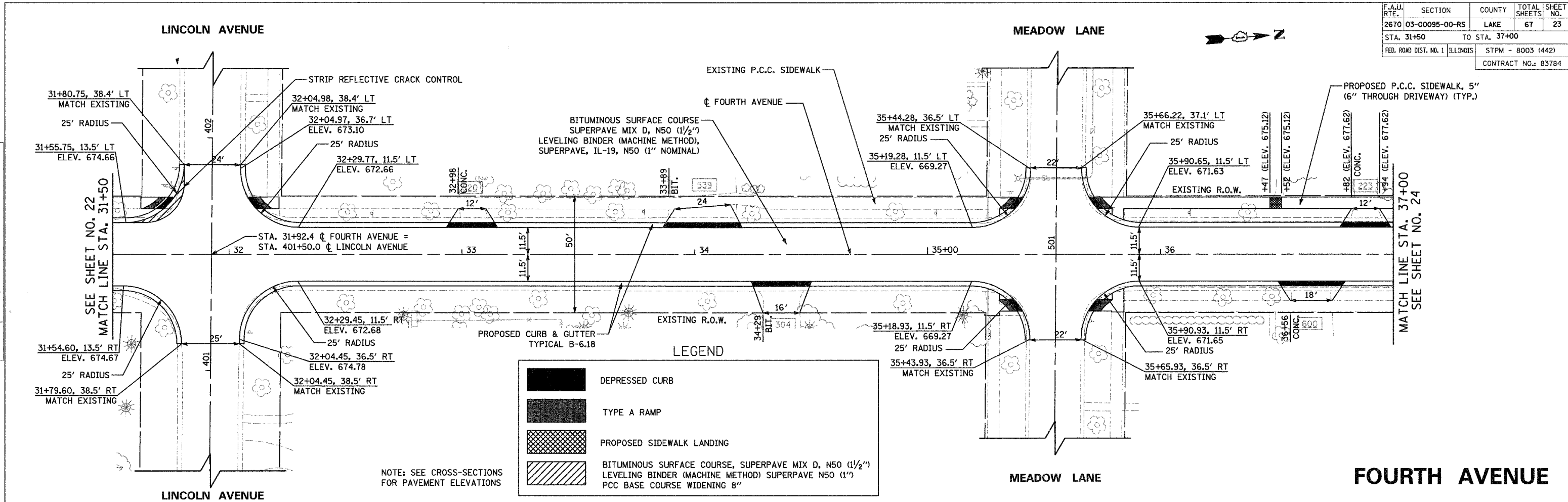
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DATE: JANUARY, 2005

DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	23
STA. 31+50		TO STA. 37+00		
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	RT. OF WAY CHECKED	
	NO. _____	
	NO. _____	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	S.M. NOTED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	NO. _____	



REVISIONS	
NAME	DATE

**CG** Ciorba Group, Inc.  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@ciorba.com

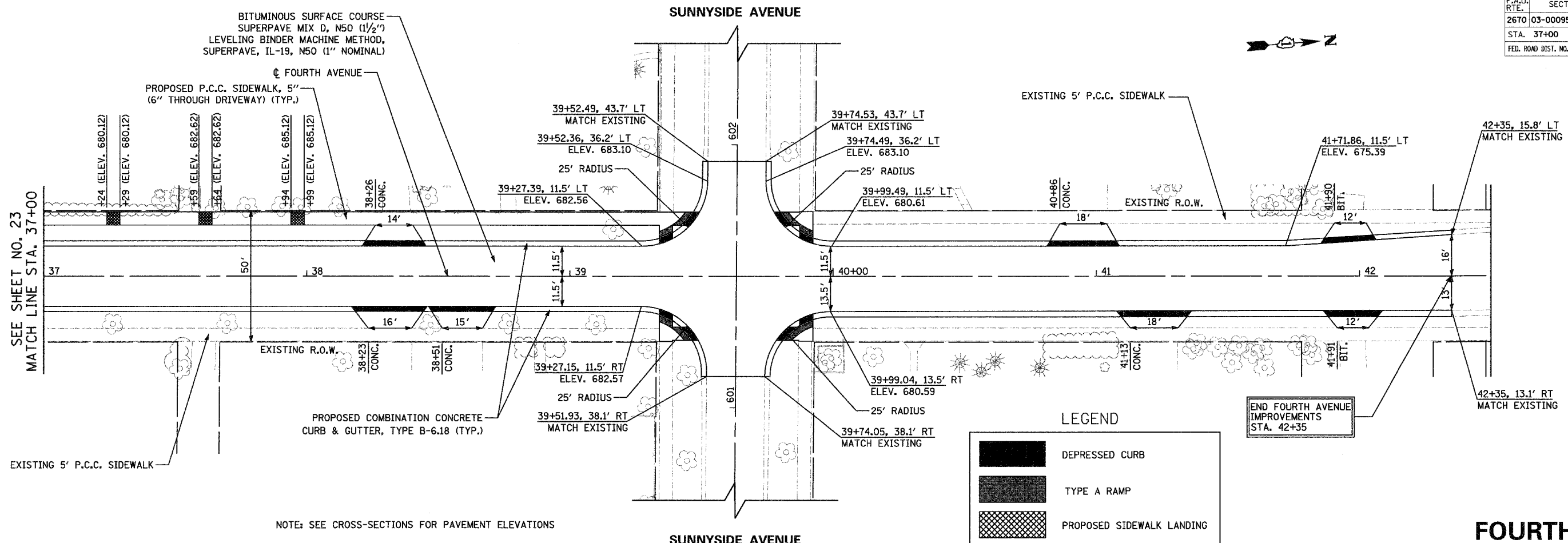
VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
PROPOSED PLAN & PROFILE  
STA. 31+50 TO STA. 37+00

SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	24
STA. 37+00		TO STA. 42+50		
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	RT. OF WAY CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	RT. OF WAY CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CIPRD		

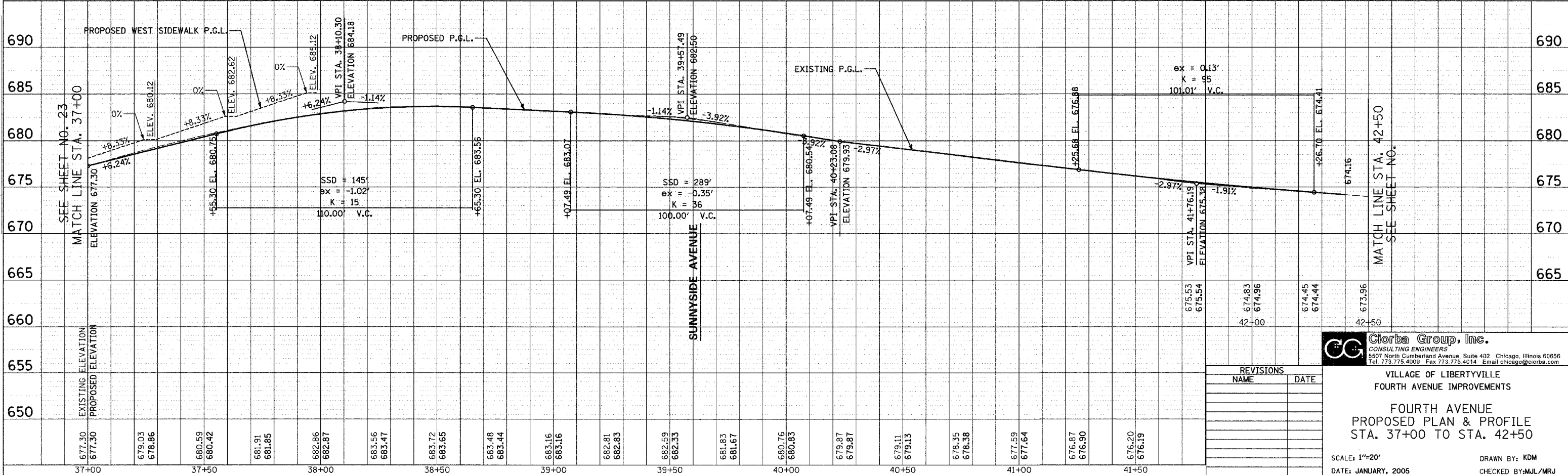


**LEGEND**

- DEPRESSED CURB
- TYPE A RAMP
- PROPOSED SIDEWALK LANDING

NOTE: SEE CROSS-SECTIONS FOR PAVEMENT ELEVATIONS

**FOURTH AVENUE**



REVISIONS	
NAME	DATE

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VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

**FOURTH AVENUE  
PROPOSED PLAN & PROFILE  
STA. 37+00 TO STA. 42+50**

SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	25
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		
		STPM - 8003 (442)		
CONTRACT NO.:				

**TRAFFIC CONTROL GENERAL NOTES**

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS, ANY SPECIAL DETAILS AND HIGHWAY STANDARDS CONTAINED IN THE PLANS, THE TRAFFIC SPECIFICATIONS AND THE SPECIAL PROVISIONS CONTAINED HEREIN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
3. TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 72 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND VILLAGE OF LIBERTYVILLE.
4. THE ENGINEER AND THE VILLAGE OF LIBERTYVILLE SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
5. APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE TRAFFIC CONTROL AND PROTECTION DEVICES
6. IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE I OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.
7. TYPE II BARRICADES, 2 FEET IN WIDTH, SHALL BE UTILIZED DURING ALL STAGES OF TRAFFIC CONTROL.
8. THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL MAINTAIN 24 HOUR ACCESS TO PRIVATE PROPERTIES FOR EMERGENCY VEHICLES AT ALL TIMES.
10. ACCESS FOR LOCAL TRAFFIC SHALL BE MAINTAINED ALONG FOURTH AVENUE DURING ALL STAGES OF CONSTRUCTIONS. TYPE III BARRICADES SHALL BE PLACED ACROSS AUSTIN AVENUE DURING ROAD CLOSURE TO PREVENT ACCESS BY NON-LOCAL TRAFFIC
11. INGRESS AND EGRESS TO DRIVEWAYS SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER. A QUANTITY OF AGGREGATE SURFACE COURSE, TYPE B HAS BEEN INCLUDED IN THE CONTRACT FOR DRIVEWAY AND SIDE STREET ACCESS. THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 402 OF THE STANDARD SPECIFICATIONS.
12. SIDEWALK ACCESS SHALL BE MAINTAINED ON ONE SIDE OF THE STREET AT ALL TIMES. CLOSED SIDEWALKS SHALL BE APPROPRIATELY BARRICADED. USE STANDARD 701801-03.
13. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE CONSTRUCTION IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
14. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED TO THE COST OF TRAFFIC CONTROL AND PROTECTION.
15. THE COST OF ADJUSTING FRAMES AND LIDS TO FINAL GRADE ON NEW DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE NEW DRAINAGE STRUCTURE.

**SUGGESTED CONSTRUCTION STAGING**

**STAGE I**

FOURTH AVENUE WILL BE PATCHED AND RESURFACED BETWEEN STATIONS 26+07 AND 42+35.

**TRAFFIC**

TRAFFIC MAINTAINED WITH DAYTIME LANE CLOSURES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 70150-02 AND 701701-03.

**CONSTRUCTION**

REMOVE THE EXISTING BITUMINOUS SURFACE AND CURB AND GUTTER AS SHOWN ON THE PLANS AND TYPICAL SECTIONS.

CONSTRUCT THE STORM SEWER, CURB AND GUTTER, CLASS D PATCHES, AND LEVELING BINDER COURSE AS SHOWN ON THE PLANS AND TYPICAL SECTIONS.

**STAGE II**

FOURTH AVENUE WILL BE RECONSTRUCTED BETWEEN STATIONS 10+11 AND 26+07.

**TRAFFIC**

DURING STAGE II CONSTRUCTION, CLOSE FOURTH AVENUE TO THRU TRAFFIC AND DETOUR ACCORDING TO STAGE II DETOUR PLAN. LOCAL TRAFFIC SHALL BE MAINTAINED.

**CONSTRUCTION**

REMOVE THE EXISTING BITUMINOUS SURFACE, BASE PAVEMENT, CURB AND GUTTER, AND UNSUITABLE SOIL MATERIALS AS SHOWN ON THE PLANS AND TYPICAL SECTIONS.

CONSTRUCT THE STORM SEWER, SUBGRADE, CURB AND GUTTER, BITUMINOUS BASE COURSE, AND BINDER COURSE AS SHOWN ON THE PLANS AND TYPICAL SECTIONS.

**STAGE III**

COMPLETE REMAINING ITEMS.

**TRAFFIC**

TRAFFIC MAINTAINED WITH DAYTIME LANE CLOSURES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 70150-02 AND 701701-03.

**CONSTRUCTION**

RESTORATION, SODDING, SURFACE COURSE AND STRIPING WILL BE COMPLETED.

**NOTE:**

PRIOR TO BEGINNING STAGE II, ALL STORM SEWER, CLASS D PATCHES, CONCRETE CURB AND GUTTER, LEVELING BINDER INCLUDED IN STAGE I SHALL BE COMPLETED.

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REVISIONS	
NAME	DATE

VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS

**TRAFFIC CONTROL NOTES AND  
 SUGGESTED CONSTRUCTION STAGING**

SCALE: NTS  
 DATE: JANUARY, 2005

DRAWN BY: JCC  
 CHECKED BY: MJL/MRJ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	26
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.:				

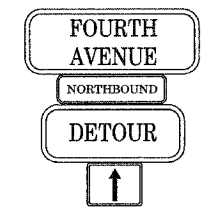


**SIGN LEGEND**

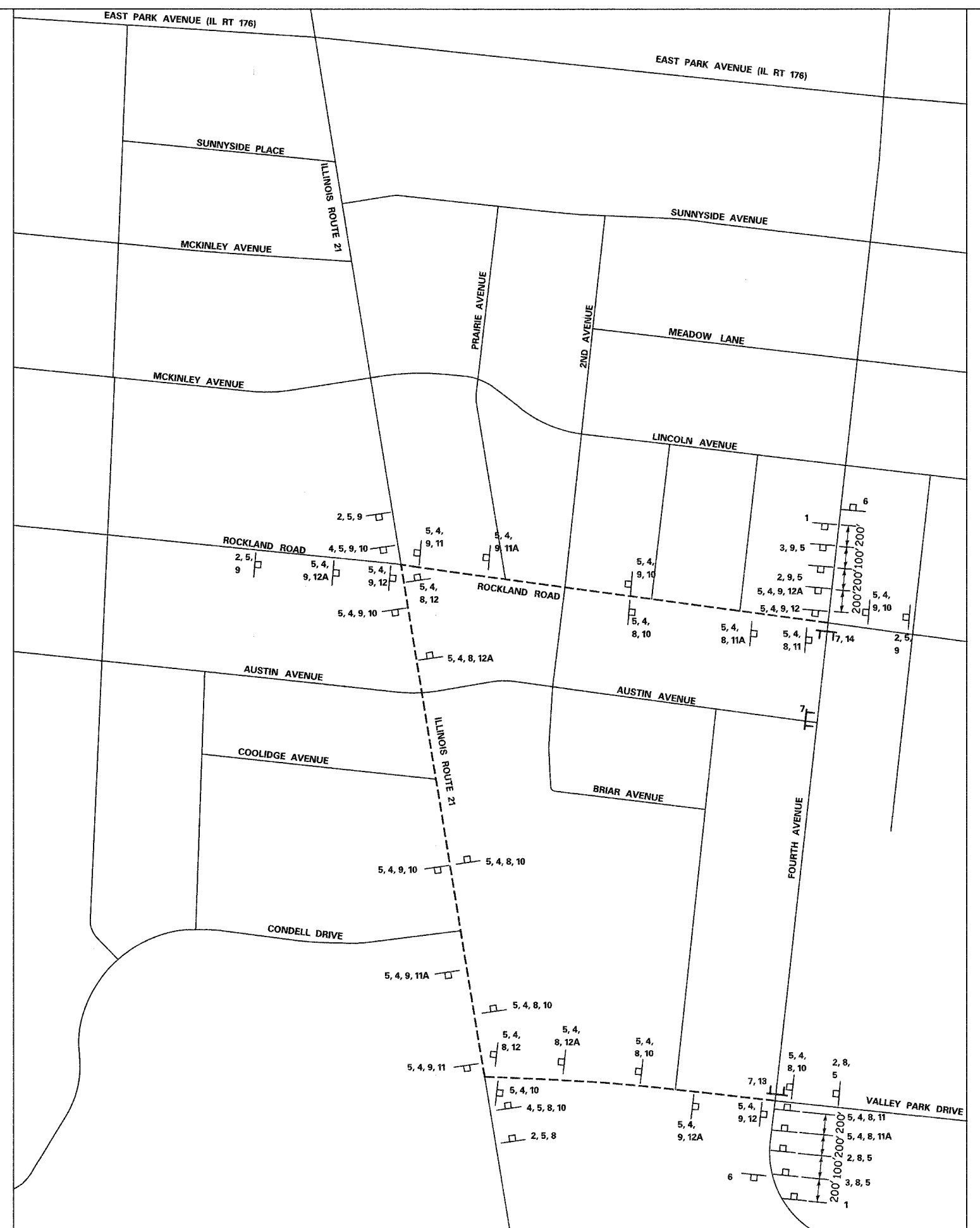
- 1) ROAD CLOSED AHEAD  
W20-3  
48" x 48"
- 2) DETOUR AHEAD  
W20-2  
48" x 48"
- 3) DETOUR 500 FT  
W20-2  
48" x 48"
- 4) DETOUR  
M4-8  
24" x 12"
- 5) FOURTH AVENUE  
W17-1101  
VAR. x 15"
- 6) END DETOUR  
M4-8b  
24" x 18"
- 7) ROAD CLOSED TO THRU TRAFFIC  
R11-4  
60" x 30"
- 8) NORTHBOUND  
W17-1100  
VAR. x 9"
- 9) SOUTHBOUND  
W17-1100  
VAR. x 9"
- 10)   
M6-3  
21" x 15"
- 11) 11A)   
M6-1L  
21" x 15"
- 12) 12A)   
M6-1R  
21" x 15"
- 13) DETOUR  
M4-10L  
48" X 18"
- 14) DETOUR  
M4-10R  
48" X 18"

**DETOUR PLAN LEGEND**

- TYPE III BARRICADE
- DETOUR SIGN
- DETOUR ROUTE



TYPICAL SIGN ARRANGEMENT



**DETOUR PLAN GENERAL NOTES**

1. TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 48 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND VILLAGE OF LIBERTYVILLE.
2. ALL TRAFFIC SIGNS SHALL MEET WITH THE APPROVAL OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER REGARDING LOCATION, TYPE, SIZE, NUMBER AND DURATION.
3. FOR TYPICAL SIGN INSTALLATIONS, SEE IDOT HIGHWAY STANDARDS.
4. IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE I OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.
5. APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE TRAFFIC CONTROL AND PROTECTION DEVICES.
6. FLAGS ON "WARNING" SIGNS ARE OPTIONAL.
7. THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
8. THE COST OF INSTALLING, MAINTAINING AND REMOVING THE DETOUR SHALL BE PAID FOR AS TEMPORARY DETOUR.

REVISIONS	
NAME	DATE

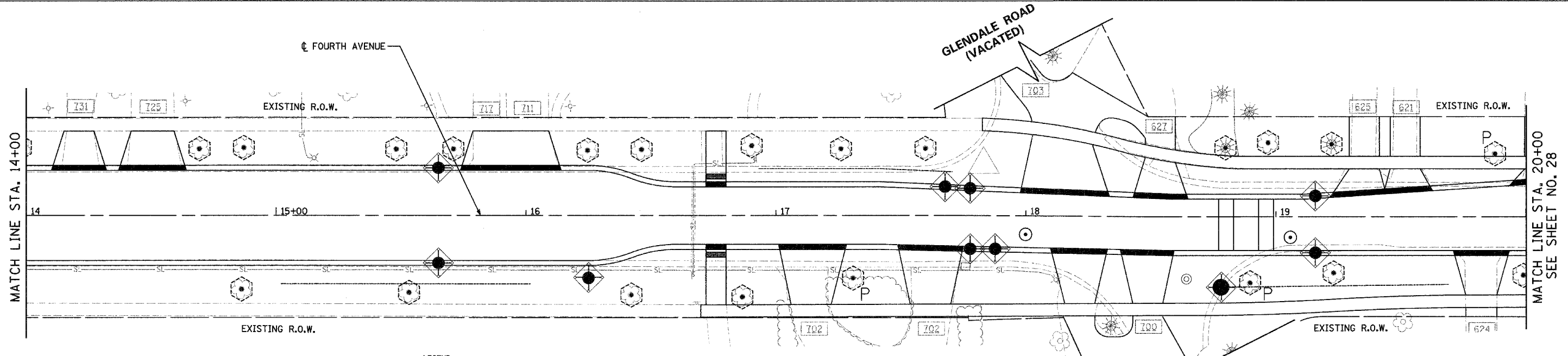
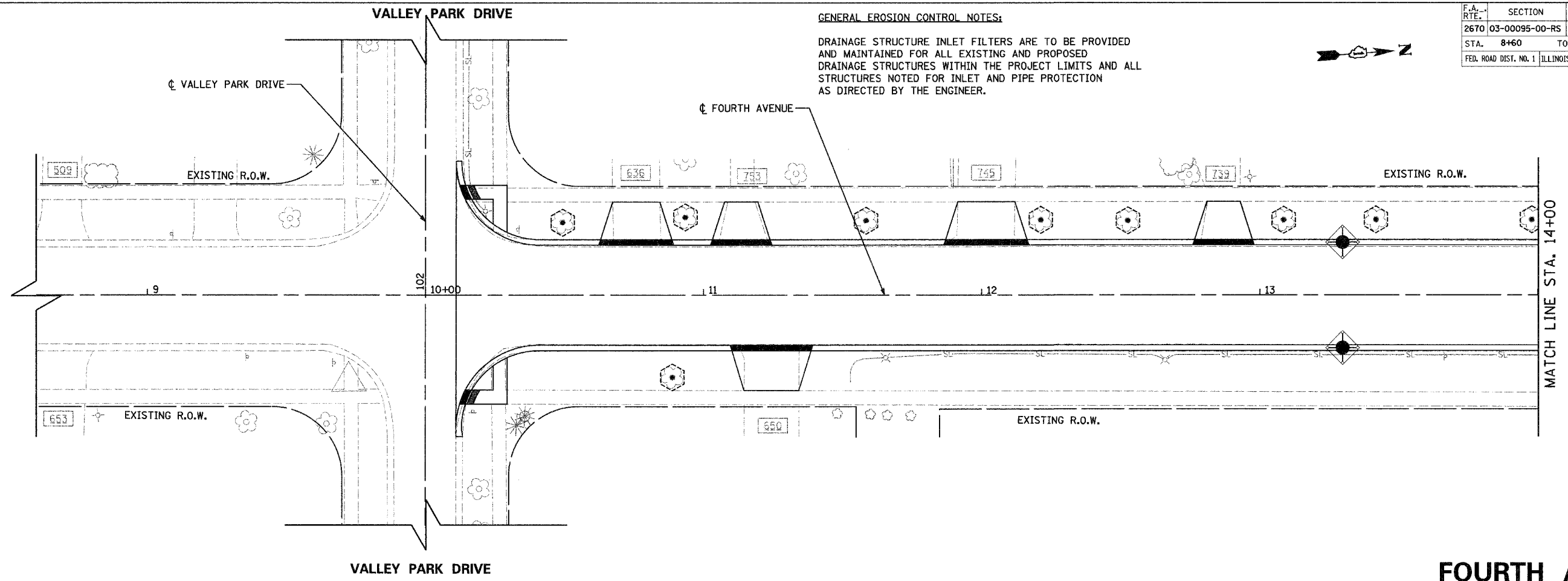
**CG** Ciorba Group, Inc.  
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VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
  
STAGE II DETOUR PLAN

SCALE: NTS  
DATE: JANUARY, 2005  
DRAWN BY: JCC  
CHECKED BY: MJL/MRJ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	27
STA. 8+60	TO STA. 20+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

**GENERAL EROSION CONTROL NOTES:**  
 DRAINAGE STRUCTURE INLET FILTERS ARE TO BE PROVIDED AND MAINTAINED FOR ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS AND ALL STRUCTURES NOTED FOR INLET AND PIPE PROTECTION AS DIRECTED BY THE ENGINEER.



**LEGEND**

	INLET AND PIPE PROTECTION
	TEMPORARY FENCE
	TREE TRUNK PROTECTION

REVISIONS	
NAME	DATE

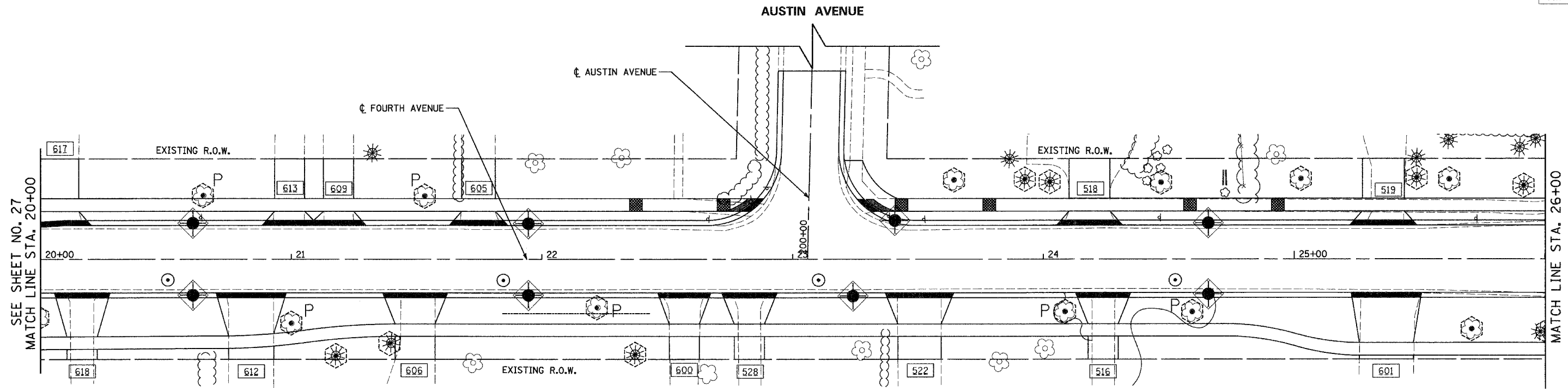
**Clorba Group, Inc.**  
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VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 EROSION CONTROL  
 STA. 8+60 TO STA. 20+00

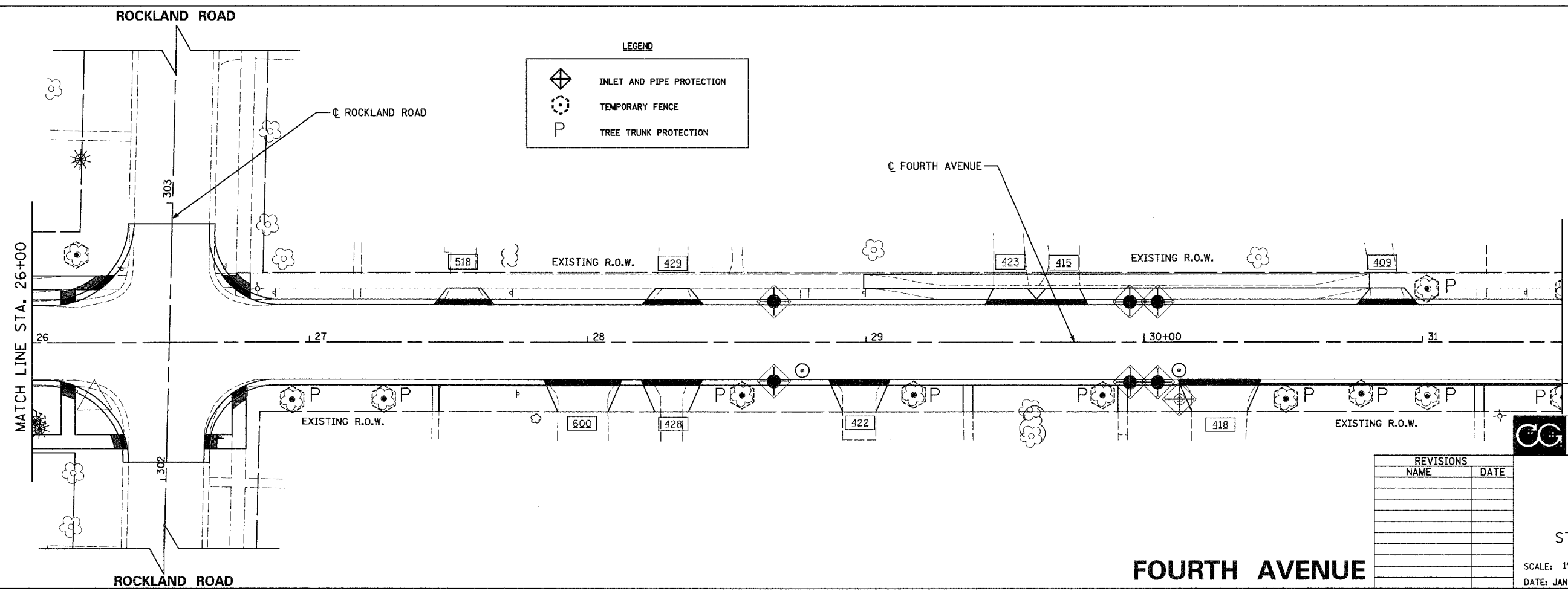
**FOURTH AVENUE**

SCALE: 1"=20'  
 DATE: JANUARY, 2005  
 DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	28
STA. 20+00	TO STA. 31+50			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				



**FOURTH AVENUE**



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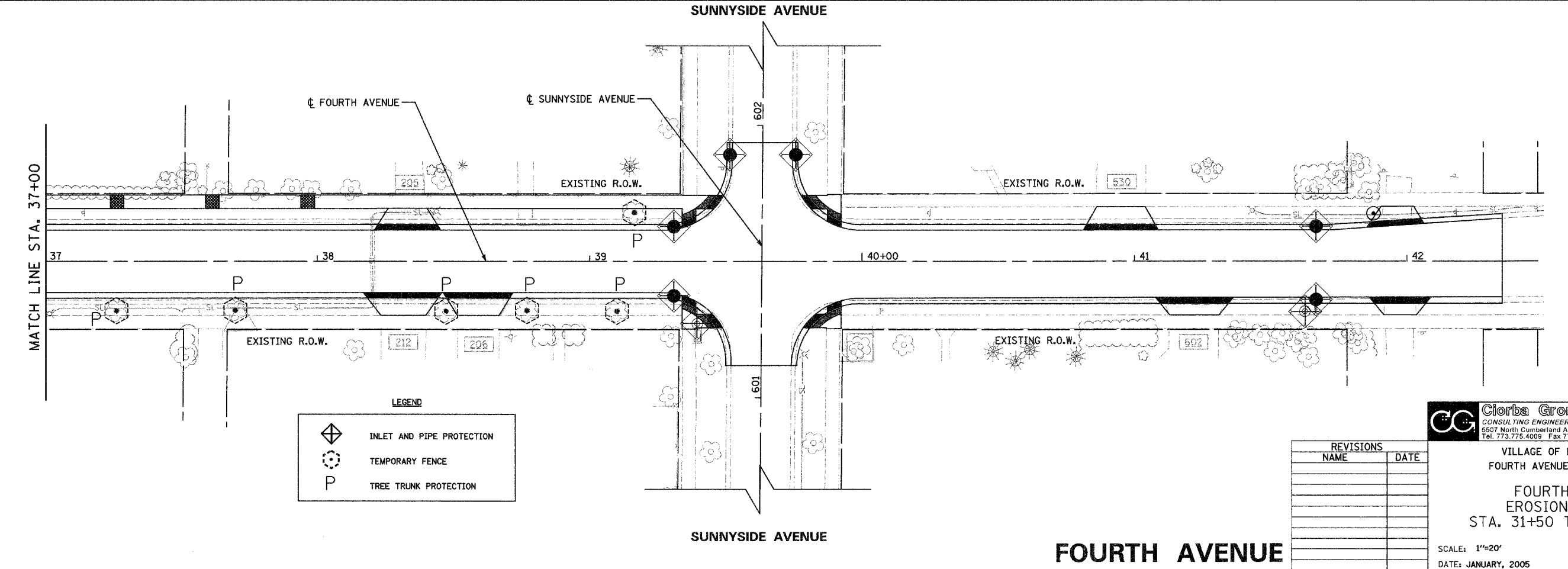
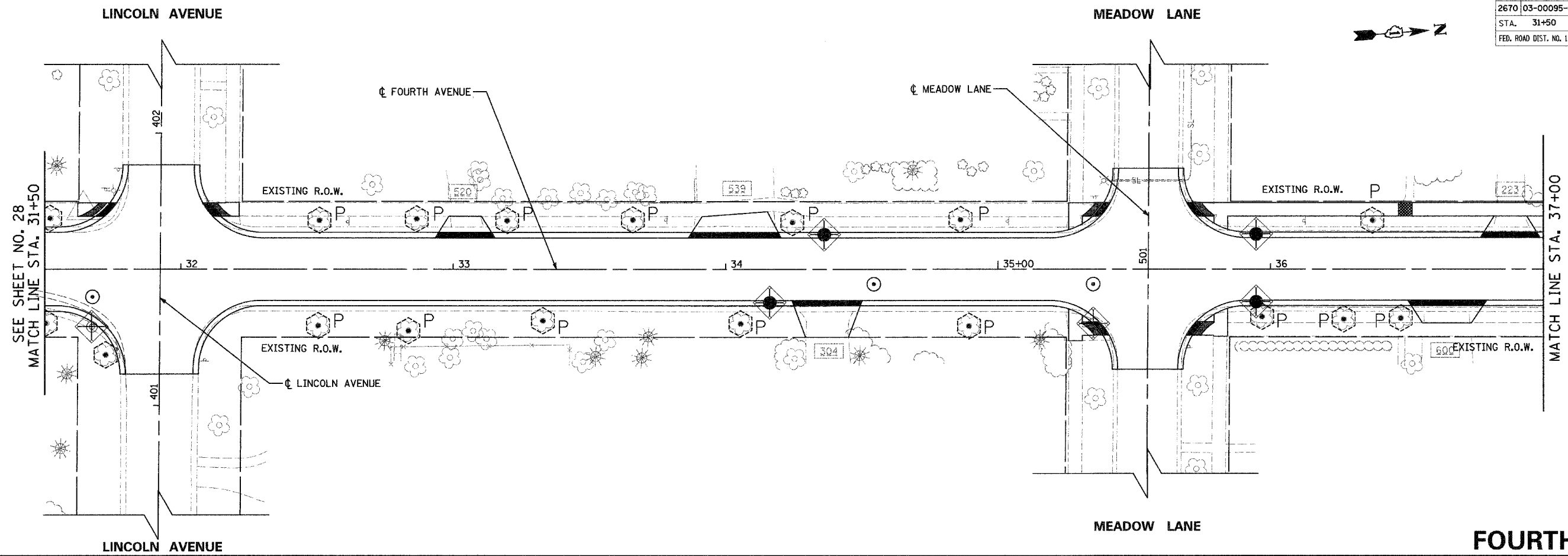
VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 EROSION CONTROL  
 STA. 20+00 TO STA. 31+50

REVISIONS	
NAME	DATE

SCALE: 1"=20'  
 DATE: JANUARY, 2005  
 DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ

**FOURTH AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	29
STA. 31+50		TO STA. 42+50		
FED. ROAD DIST. NO. 1		ILLINOIS		
		STPM - 8003 (442)		
CONTRACT NO.: 83784				



LEGEND

	INLET AND PIPE PROTECTION
	TEMPORARY FENCE
	TREE TRUNK PROTECTION

REVISIONS	
NAME	DATE

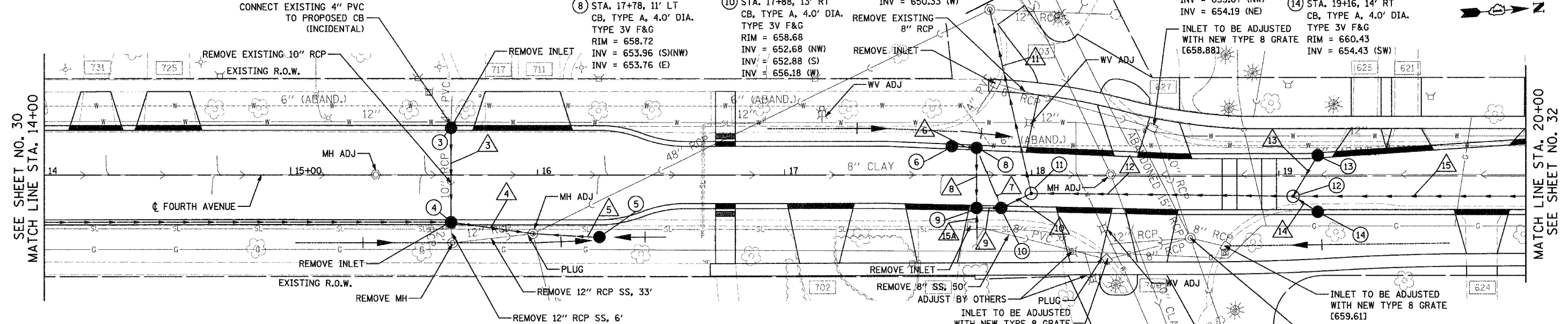
**Giorba Group, Inc.**  
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VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EROSION CONTROL  
STA. 31+50 TO STA. 42+50  
SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	31
STA. 14+00	TO STA. 20+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

- ③ STA. 15+65, 19' LT  
CB, TYPE C  
TYPE 3V F & G  
RIM = 661.55  
INV = 659.00 (W)  
INV = 658.05 (E)
- ④ STA. 15+65, 19' RT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F & G  
RIM = 661.55  
INV = 657.70 (S)(W)  
INV = 657.30 (N)
- ⑤ STA. 16+25, 27' RT  
CB, TYPE A, 4.0' DIA.  
TYPE B G  
RIM = 659.45  
INV = 657.25 (S)
- ⑥ STA. 17+68, 12' LT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F&G  
RIM = 658.92  
INV = 654.16 (N)
- ⑦ NOT USED
- ⑧ STA. 17+78, 11' LT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F&G  
RIM = 658.72  
INV = 653.96 (S)(NW)  
INV = 653.76 (E)
- ⑨ STA. 17+78, 13' RT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F&G  
RIM = 658.67  
INV = 653.28 (W)(E)  
INV = 653.08 (N)
- ⑩ STA. 17+88, 13' RT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F&G  
RIM = 658.68  
INV = 652.68 (NW)  
INV = 652.88 (S)  
INV = 656.18 (W)
- ⑪ STA. 18+00, 7' RT  
MH, TYPE A, 4.0' DIA.  
TY 1 F, CL  
RIM = 658.88  
INV = 651.17 (N)  
INV = 652.41 (SE)  
INV = 650.33 (W)
- ⑫ STA. 19+06, 8' RT  
MH, TYPE A, 4.0' DIA.  
TY 1 F, CL  
RIM = 660.40  
INV = 653.50 (N)  
INV = 653.25 (S)  
INV = 653.67 (NW)  
INV = 654.19 (NE)
- ⑬ STA. 19+16, 8' LT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F&G  
RIM = 660.05  
INV = 654.05 (SE)
- ⑭ STA. 19+16, 14' RT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F&G  
RIM = 660.43  
INV = 654.43 (SW)

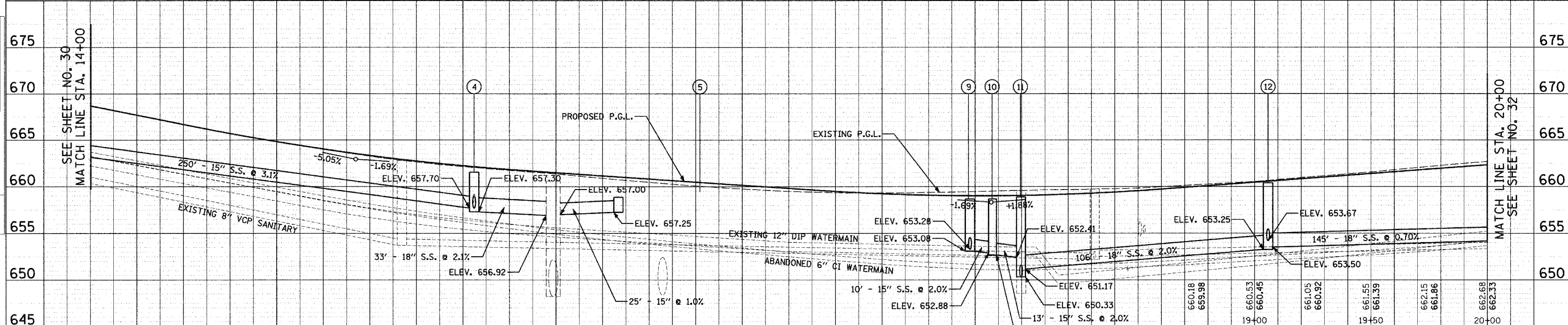


- ③ 15" SS 1 RCP CL 4  
38' @ 1.0%  
TBF = 11.95 CY
- ④ 18" SS 2 RCP CL 3  
33' @ 2.1%  
TBF = 12.33 CY
- ⑤ 15" SS 1 RCP CL 4  
25' @ 1.0%  
TBF = 5.32 CY
- ⑥ 15" SS 2 RCP CL 3  
10' @ 2.0%  
TBF = 6.70 CY
- ⑦ PIPE UNDERDRAINS 4"  
26' @ 1%  
TBF = 4.28 CY
- ⑧ 15" SS 2 RCP CL 3  
24' @ 2.0%  
TBF = 17.78 CY
- ⑨ 15" SS 2 RCP CL 3  
10' @ 2.0%  
TBF = 8.30 CY
- ⑩ 15" SS 2 RCP CL 3  
13' @ 2.0%  
TBF = 11.99 CY
- ⑪ 15" SS WATER MAIN  
REQUIREMENTS  
76' @ 1.0%  
TBF = 108.52 CY
- ⑫ 18" SS 2 RCP CL 3  
106' @ 2.0%  
TBF = 123.28 CY
- ⑬ 15" SS WATER MAIN  
REQUIREMENTS  
19' @ 2.0%  
TBF = 17.95 CY
- ⑭ 15" SS 2 RCP CL 3  
12' @ 2.0%  
TBF = 10.80 CY
- ⑮ 18" SS 2 RCP CL 3  
145' @ 0.70%  
TBF = 175.23 CY
- ⑮ 8" SS CL B 1  
12' @ 1.0%  
TBF = 1.0 CY

NOTE: ONLY CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL MATERIAL.

### FOURTH AVENUE

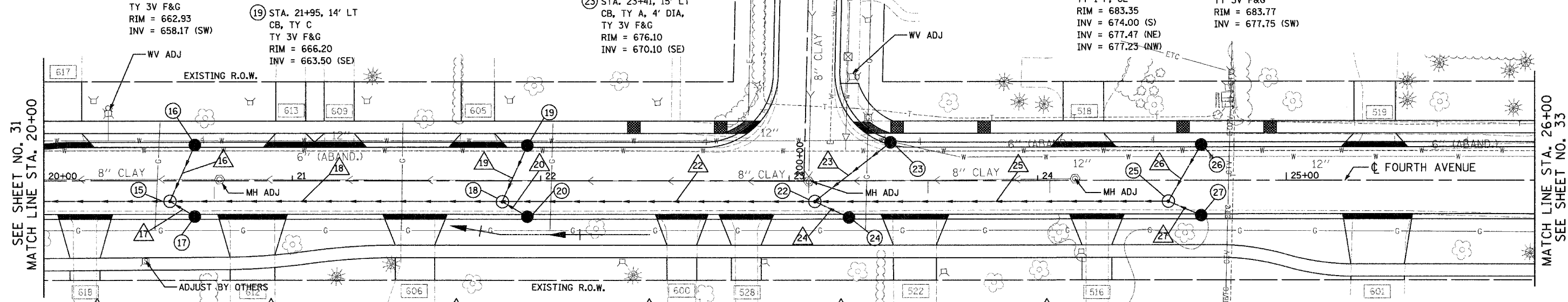
DATE	BY
DATE	BY



STATION	14+00	14+05	14+10	14+15	14+20	14+25	14+30	14+35	14+40	14+45	14+50	14+55	15+00	15+05	15+10	15+15	15+20	15+25	15+30	15+35	15+40	15+45	15+50	15+55	16+00	16+05	16+10	16+15	16+20	16+25	16+30	16+35	16+40	16+45	16+50	16+55	17+00	17+05	17+10	17+15	17+20	17+25	17+30	17+35	17+40	17+45	17+50	17+55	18+00	18+05	18+10	18+15	18+20	18+25	18+30	18+35	18+40	18+45	18+50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
EXISTING ELEVATION	668.73	667.45	666.19	665.02	664.00	663.11	662.37	661.84	661.38	660.78	660.26	659.81	659.47	659.30	659.31	659.42	659.59	659.66	659.82	660.18	660.53	661.05	661.55	662.15	662.68	663.11	663.54	663.97	664.40	664.83	665.26	665.69	666.12	666.55	666.98	667.41	667.84	668.27	668.70	669.13	669.56	669.99	670.42	670.85	671.28	671.71	672.14	672.57	673.00	673.43	673.86	674.29	674.72	675.15	675.58	676.01	676.44	676.87	677.30	677.73	678.16	678.59	679.02	679.45	679.88	680.31	680.74	681.17	681.60	682.03	682.46	682.89	683.32	683.75	684.18	684.61	685.04	685.47	685.90	686.33	686.76	687.19	687.62	688.05	688.48	688.91	689.34	689.77	690.20	690.63	691.06	691.49	691.92	692.35	692.78	693.21	693.64	694.07	694.50	694.93	695.36	695.79	696.22	696.65	697.08	697.51	697.94	698.37	698.80	699.23	699.66	700.09	700.52	700.95	701.38	701.81	702.24	702.67	703.10	703.53	703.96	704.39	704.82	705.25	705.68	706.11	706.54	706.97	707.40	707.83	708.26	708.69	709.12	709.55	709.98	710.41	710.84	711.27	711.70	712.13	712.56	712.99	713.42	713.85	714.28	714.71	715.14	715.57	716.00	716.43	716.86	717.29	717.72	718.15	718.58	719.01	719.44	719.87	720.30	720.73	721.16	721.59	722.02	722.45	722.88	723.31	723.74	724.17	724.60	725.03	725.46	725.89	726.32	726.75	727.18	727.61	728.04	728.47	728.90	729.33	729.76	730.19	730.62	731.05	731.48	731.91	732.34	732.77	733.20	733.63	734.06	734.49	734.92	735.35	735.78	736.21	736.64	737.07	737.50	737.93	738.36	738.79	739.22	739.65	740.08	740.51	740.94	741.37	741.80	742.23	742.66	743.09	743.52	743.95	744.38	744.81	745.24	745.67	746.10	746.53	746.96	747.39	747.82	748.25	748.68	749.11	749.54	749.97	750.40	750.83	751.26	751.69	752.12	752.55	752.98	753.41	753.84	754.27	754.70	755.13	755.56	755.99	756.42	756.85	757.28	757.71	758.14	758.57	759.00	759.43	759.86	760.29	760.72	761.15	761.58	762.01	762.44	762.87	763.30	763.73	764.16	764.59	765.02	765.45	765.88	766.31	766.74	767.17	767.60	768.03	768.46	768.89	769.32	769.75	770.18	770.61	771.04	771.47	771.90	772.33	772.76	773.19	773.62	774.05	774.48	774.91	775.34	775.77	776.20	776.63	777.06	777.49	777.92	778.35	778.78	779.21	779.64	780.07	780.50	780.93	781.36	781.79	782.22	782.65	783.08	783.51	783.94	784.37	784.80	785.23	785.66	786.09	786.52	786.95	787.38	787.81	788.24	788.67	789.10	789.53	789.96	790.39	790.82	791.25	791.68	792.11	792.54	792.97	793.40	793.83	794.26	794.69	795.12	795.55	795.98	796.41	796.84	797.27	797.70	798.13	798.56	798.99	799.42	799.85	800.28	800.71	801.14	801.57	802.00	802.43	802.86	803.29	803.72	804.15	804.58	805.01	805.44	805.87	806.30	806.73	807.16	807.59	808.02	808.45	808.88	809.31	809.74	810.17	810.60	811.03	811.46	811.89	812.32	812.75	813.18	813.61	814.04	814.47	814.90	815.33	815.76	816.19	816.62	817.05	817.48	817.91	818.34	818.77	819.20	819.63	820.06	820.49	820.92	821.35	821.78	822.21	822.64	823.07	823.50	823.93	824.36	824.79	825.22	825.65	826.08	826.51	826.94	827.37	827.80	828.23	828.66	829.09	829.52	829.95	830.38	830.81	831.24	831.67	832.10	832.53	832.96	833.39	833.82	834.25	834.68	835.11	835.54	835.97	836.40	836.83	837.26	837.69	838.12	838.55	838.98	839.41	839.84	840.27	840.70	841.13	841.56	841.99	842.42	842.85	843.28	843.71	844.14	844.57	845.00	845.43	845.86	846.29	846.72	847.15	847.58	848.01	848.44	848.87	849.30	849.73	850.16	850.59	851.02	851.45	851.88	852.31	852.74	853.17	853.60	854.03	854.46	854.89	855.32	855.75	856.18	856.61	857.04	857.47	857.90	858.33	858.76	859.19	859.62	860.05	860.48	860.91	861.34	861.77	862.20	862.63	863.06	863.49	863.92	864.35	864.78	865.21	865.64	866.07	866.50	866.93	867.36	867.79	868.22	868.65	869.08	869.51	869.94	870.37	870.80	871.23	871.66	872.09	872.52	872.95	873.38	873.81	874.24	874.67	875.10	875.53	875.96	876.39	876.82	877.25	877.68	878.11	878.54	878.97	879.40	879.83	880.26	880.69	881.12	881.55	881.98	882.41	882.84	883.27	883.70	884.13	884.56	884.99	885.42	885.85	886.28	886.71	887.14	887.57	888.00	888.43	888.86	889.29	889.72	890.15	890.58	891.01	891.44	891.87	892.30	892.73	893.16	893.59	894.02	894.45	894.88	895.31	895.74	896.17	896.60	897.03	897.46	897.89	898.32	898.75	899.18	899.61	900.04	900.47	900.90	901.33	901.76	902.19	902.62	903.05	903.48	903.91	904.34	904.77	905.20	905.63	906.06	906.49	906.92	907.35	907.78	908.21	908.64	909.07	909.50	909.93	910.36	910.79	911.22	911.65	912.08	912.51	912.94	913.37	913.80	914.23	914.66	915.09	915.52	915.95	916.38	916.81	917.24	917.67	918.10	918.53	918.96	919.39	919.82	920.25	920.68	921.11	921.54	921.97	922.40	922.83	923.26	923.69	924.12	924.55	924.98	925.41	925.84	926.27	926.70	927.13	927.56	927.99	928.42	928.85	929.28	929.71	930.14	930.57	931.00	931.43	931.86	932.29	932.72	933.15	933.58	934.01	934.44	934.87	935.30	935.73	936.16	936.59	937.02	937.45	937.88	938.31	938.74	939.17	939.60	940.03	940.46	940.89	941.32	941.75	942.18	942.61	943.04	943.47	943.90	944.33	944.76	945.19	945.62	946.05	946.48	946.91	947.34	947.77	948.20	948.63	949.06	949.49	949.92	950.35	950.78	951.21	951.64	952.07	952.50	952.93	953.36	953.79	954.22	954.65	955.08	955.51	955.94	956.37	956.80	957.23	957.66	958.09	958.52	958.95	959.38	959.81	960.24	960.67	961.10	961.53	961.96	962.39	962.82	963.25	963.68	964.11	964.54	964.97	965.40	965.83	966.26	966.69	967.12	967.55	967.98	968.41	968.84	969.27	969.70	970.13	970.56	970.99	971.42	971.85	972.28	972.71	973.14	973.57	974.00	974.43	974.86	975.29	975.72	976.15	976.58	977.01	977.44	977.87	978.30	978.73	979.16	979.59	980.02	980.45	980.88	981.31	981.74	982.17	982.60	983.03	983.46	983.89	984.32	984.75	985.18	985.61	986.04	986.47	986.90	987.33	987.76	988.19	988.62	989.05	989.48	989.91	990.34	990.77	991.20	991.63	992.06	992.49	992.92	993.35	993.78	994.21	994.64	995.07	995.50	995.93	996.36	996.79	997.22	997.65	998.08	998.51	998.94	999.37	999.80	1000.23	1000.66	1001.09	1001.52	1001.95	1002.38	1002.81	1003.24	1003.67	1004.10	1004.53	1004.96	1005.39	1005.82	1006.25	1006.68	1007.11	1007.54	1007.97	1008.40	1008.83	1009.26	1009.69	1010.12	1010.55	1010.98	1011.41	1011.84	1012.27	1012.70	1013.13	1013.56	1013.99	1014.42	1014.85	1015.28	1015.71	1016.14	1016.57	1017.00	1017.43	1017.86	1018.29	1018.72	1019

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	32
STA. 20+00		TO STA. 26+00		
FED. ROAD DIST. NO. 1		ILLINOIS		
		STPM - 8003 (442)		
		CONTRACT NO.: 83784		

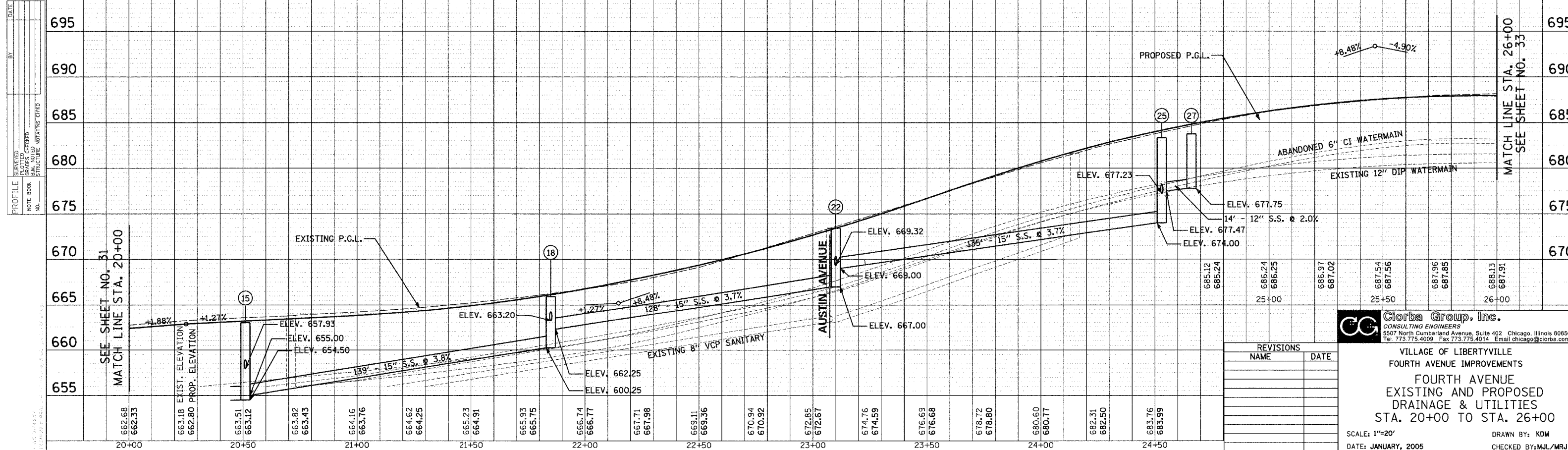
- 15 STA. 20+51, 8' RT  
MH, TY A, 4' DIA,  
TY 1 F, CL  
RIM = 662.96  
INV = 655.00 (N)  
INV = 654.50 (S)  
INV = 657.93 (NE)  
INV = 657.93 (NW)
- 16 STA. 20+61, 14' LT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 662.93  
INV = 658.43 (SE)
- 17 STA. 20+61, 14' RT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 662.93  
INV = 658.17 (SW)
- 18 STA. 21+85, 8' RT  
MH, TY A, 4' DIA,  
TY 1 F, CL  
RIM = 665.93  
INV = 662.25 (N)  
INV = 660.25 (S)  
INV = 663.20 (NE)  
INV = 663.00 (NW)
- 19 STA. 21+95, 14' LT  
CB, TY C  
TY 3V F&G  
RIM = 666.20  
INV = 663.50 (SE)
- 20 STA. 21+95, 14' RT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 666.22  
INV = 663.50 (SW)  
INV = 663.58 (SE)
- 21 NOT USED
- 22 STA. 23+10, 8' RT  
MH, TY A, 5' DIA,  
TY 1 F, CL  
RIM = 673.42  
INV = 669.00 (N)  
INV = 667.00 (S)  
INV = 669.32 (NE)  
INV = 669.32 (NW)
- 23 STA. 23+41, 15' LT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 676.10  
INV = 670.10 (SE)
- 24 STA. 23+24, 15' RT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 674.31  
INV = 669.47 (SW)
- 25 STA. 24+53, 8' RT  
MH, TY A, 4' DIA,  
TY 1 F, CL  
RIM = 683.35  
INV = 674.00 (S)  
INV = 677.47 (NE)  
INV = 677.23 (NW)
- 26 STA. 24+66, 14' LT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 683.77  
INV = 677.75 (SE)
- 27 STA. 24+66, 14' RT  
CB, TY A, 4' DIA,  
TY 3V F&G  
RIM = 683.77  
INV = 677.75 (SW)



- 16 12" SS WATER MAIN REQUIREMENTS  
25' @ 2.0%  
TBF = 16.47 CY
- 17 12" SS 2 RCP CL 3  
12' @ 2.0%  
TBF = 8.15 CY
- 18 15" SS 2 RCP CL 3  
139' @ 3.8%  
TBF = 142.17 CY
- 19 12" SS WATER MAIN REQUIREMENTS  
25' @ 2.0%  
TBF = 5.43 CY
- 20 12" SS 1 RCP CL 4  
12' @ 2.5%  
TBF = 2.49 CY
- 21 NOT USED
- 22 15" SS 2 RCP CL 3  
128' @ 3.7%  
TBF = 92.11 CY
- 23 12" SS WATER MAIN REQUIREMENTS  
39' @ 2.0%  
TBF = 27.47 CY
- 24 12" SS 2 RCP CL 3  
15' @ 1.0%  
TBF = 5.86 CY
- 25 15" SS 2 RCP CL 3  
135' @ 3.7%  
TBF = 139.23 CY
- 26 12" SS WATER MAIN REQUIREMENTS  
26' @ 2.0%  
TBF = 22.47 CY
- 27 12" SS 2 RCP CL 3  
14' @ 2.0%  
TBF = 11.83 CY

NOTE: ONLY CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL MATERIAL.

### FOURTH AVENUE



PLAN	DATE
SURVEYED	
PLOTTED	
CHECKED	
NO. _____	

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
NO. _____	

REVISIONS	
NAME	DATE

**Giorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60658  
Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@giorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING AND PROPOSED  
DRAINAGE & UTILITIES  
STA. 20+00 TO STA. 26+00

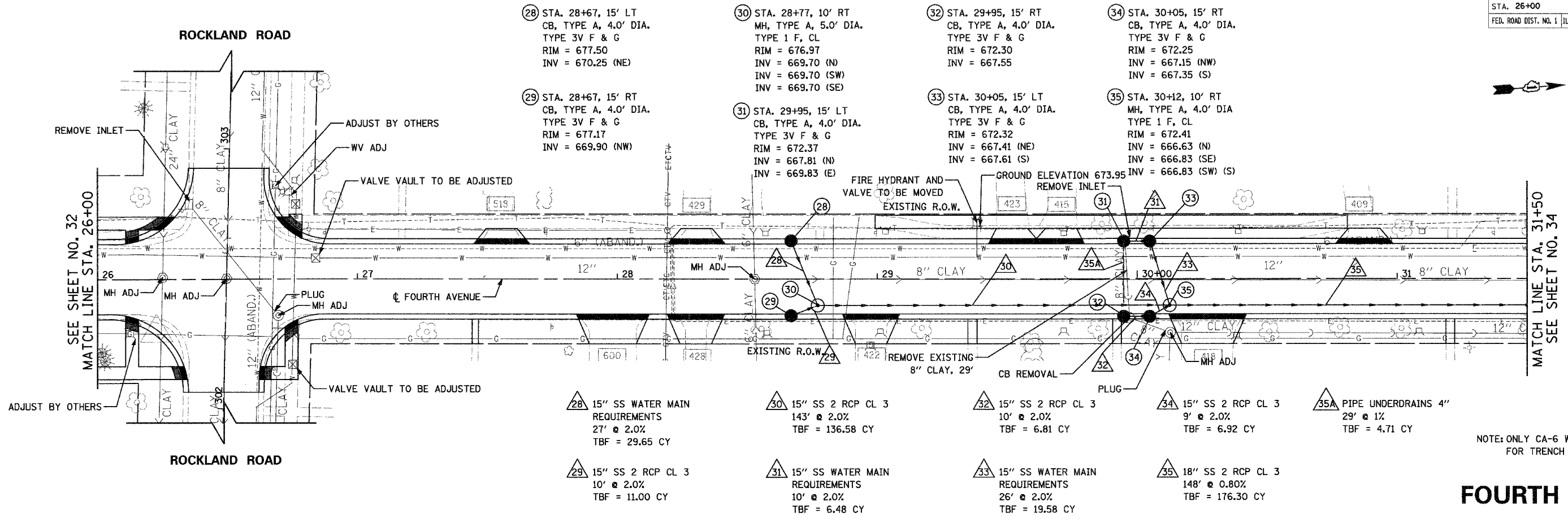
SCALE: 1"=20'  
DATE: JANUARY, 2005

DRAWN BY: KOM  
CHECKED BY: MJL/MRJ



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	33
STA. 26+00		TO STA. 31+50		
FED. ROAD DIST. NO. 1 ILLINOIS		STPM - 8003 (442)		
CONTRACT NO.: 83784				

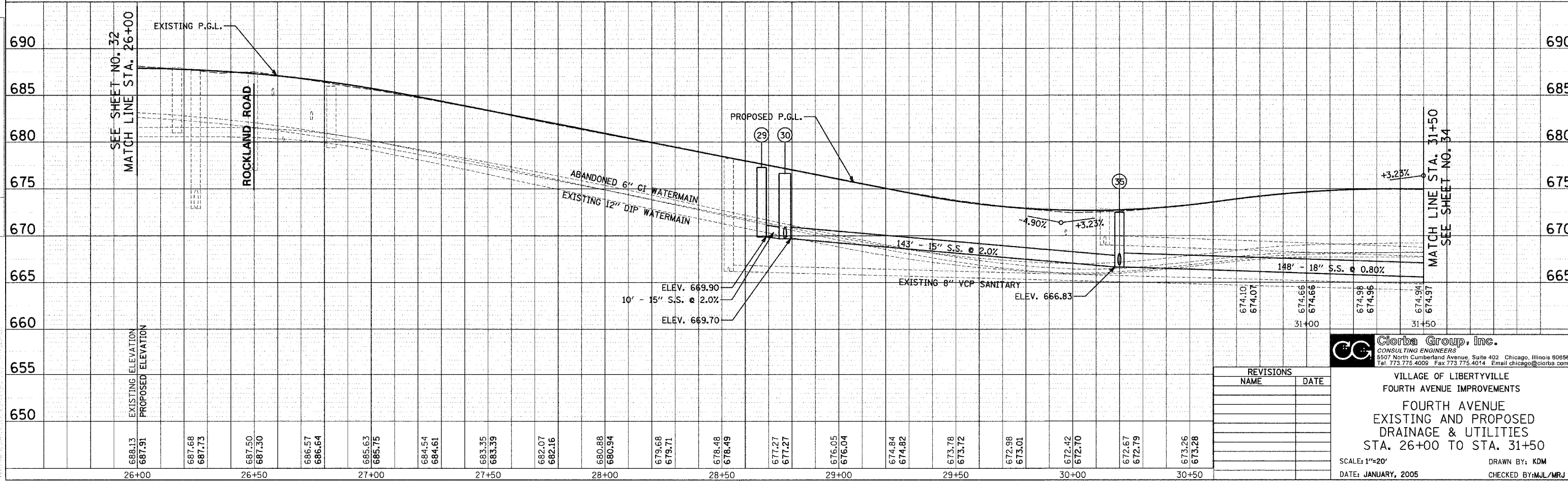
PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	



NOTE: ONLY CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL MATERIAL.

### FOURTH AVENUE

PROFILE	DATE
BY	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	



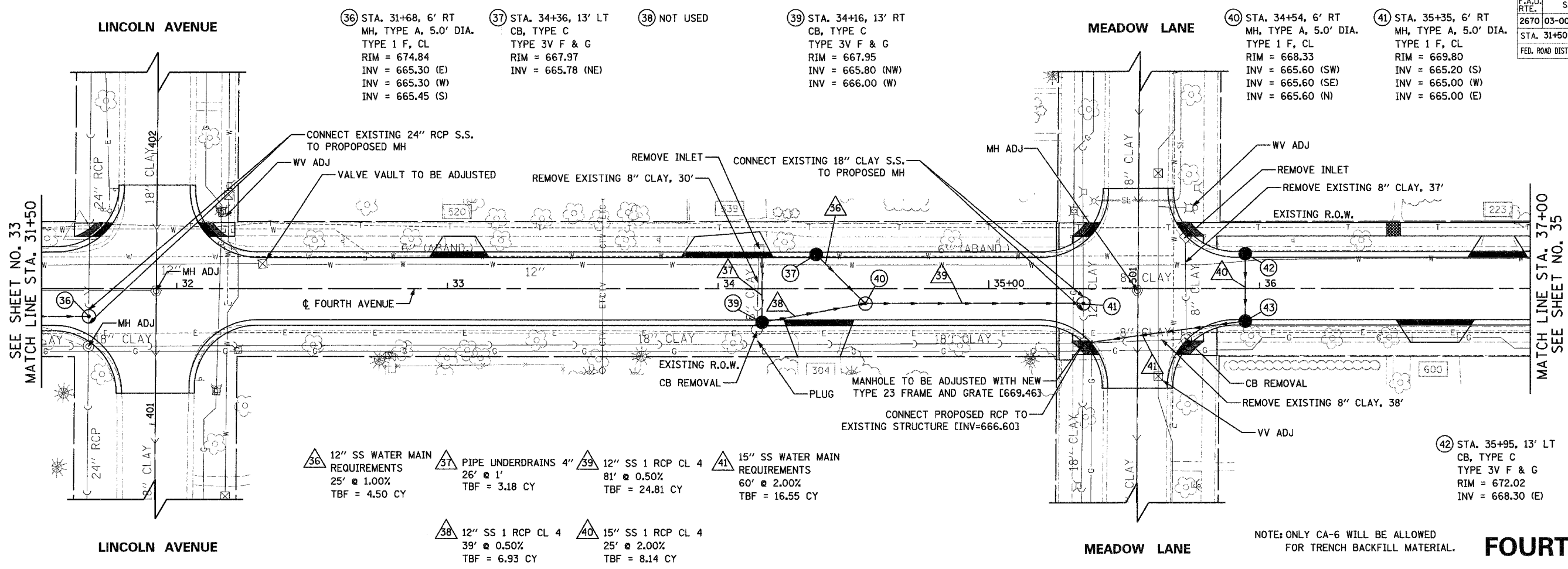
**Ciorba Group, Inc.**  
 CONSULTING ENGINEERS  
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 80658  
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

REVISIONS	
NAME	DATE

VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 EXISTING AND PROPOSED  
 DRAINAGE & UTILITIES  
 STA. 26+00 TO STA. 31+50

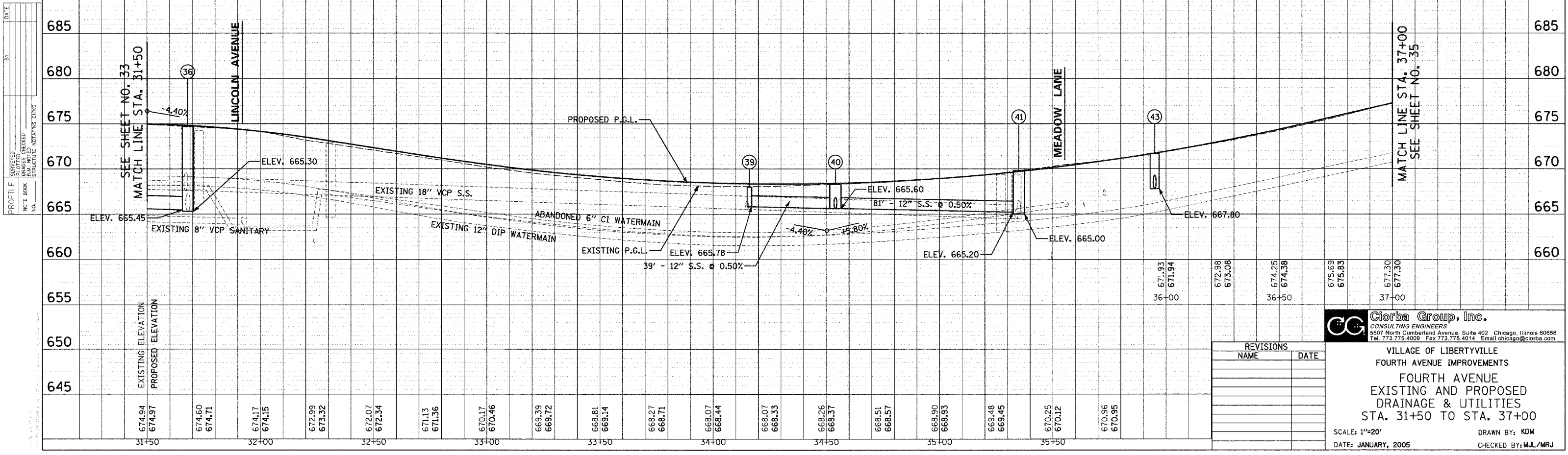
SCALE: 1"=20'  
 DATE: JANUARY, 2005  
 DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	34
STA. 31+50	TO STA. 37+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)	CONTRACT NO.: 83784	



NOTE: ONLY CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL MATERIAL.

**FOURTH AVENUE**



**Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email chicao@ciorbainc.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING AND PROPOSED  
DRAINAGE & UTILITIES  
STA. 31+50 TO STA. 37+00

SCALE: 1"=20'  
DATE: JANUARY, 2005

DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	BY	
	DATE	

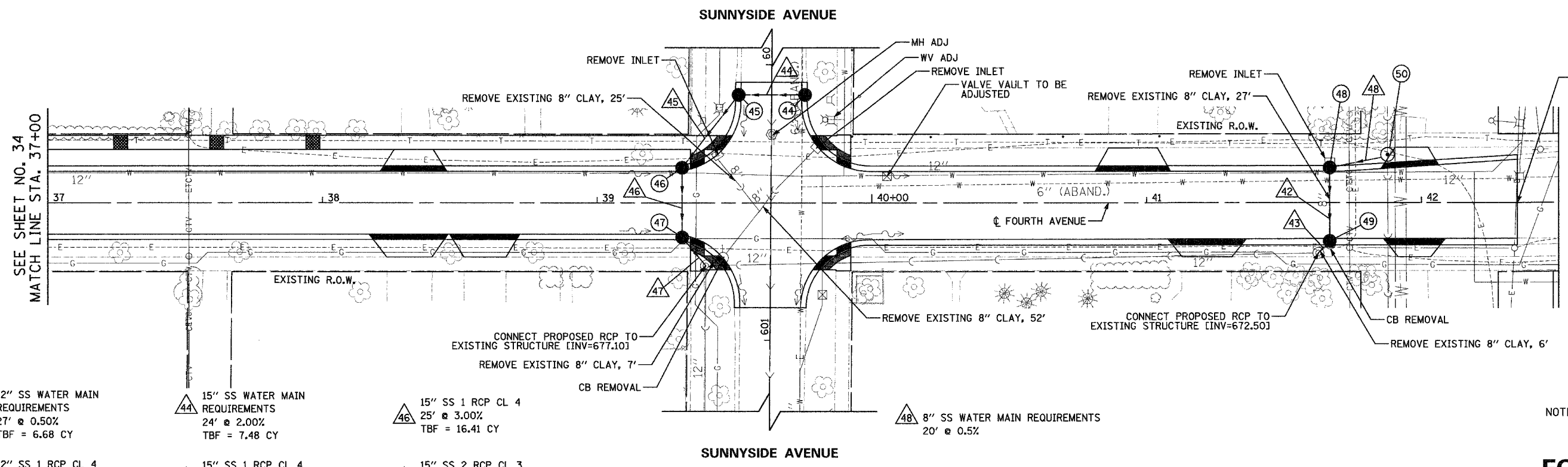
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	BY	
	DATE	

- 44 STA. 39+76, 39' LT  
CB, TYPE C  
TYPE 3V F & G  
RIM = 683.15  
INV = 679.75 (S)
- 45 STA. 39+52, 39' LT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F & G  
RIM = 683.15  
INV = 679.25 (N)  
INV = 679.25 (SE)
- 46 STA. 39+31, 13' LT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F & G  
RIM = 682.87  
INV = 678.25 (NW)  
INV = 678.25 (E)
- 47 STA. 39+31, 13' RT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F & G  
RIM = 682.24  
INV = 677.50 (W)  
INV = 677.50 (NE)
- 48 STA. 41+66, 13' LT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F & G  
RIM = 675.73  
INV = 672.70 (E)  
INV = 672.70 (N)
- 49 STA. 41+66, 14' RT  
CB, TYPE A, 4.0' DIA.  
TYPE 3V F & G  
RIM = 675.33  
INV = 672.55 (W)  
INV = 672.55 (SE)
- 50 STA. 41+77 +/-, 17.5' LT  
MH, TYPE A, 5.0' DIA. \*  
TYPE 1 F, CL  
RIM = 675.50  
INV = 672.2 +/- (W & E) (EXIST)  
INV = 672.80 (S)

\* NEED TO VERIFY COVER OVER PIPE PRIOR TO INSTALLATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	35
STA. 37+00		TO STA. 42+50		
FED. ROAD DIST. NO. 1		ILLINOIS STPM - 8003 (442)		
CONTRACT NO.: 83784				

PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	



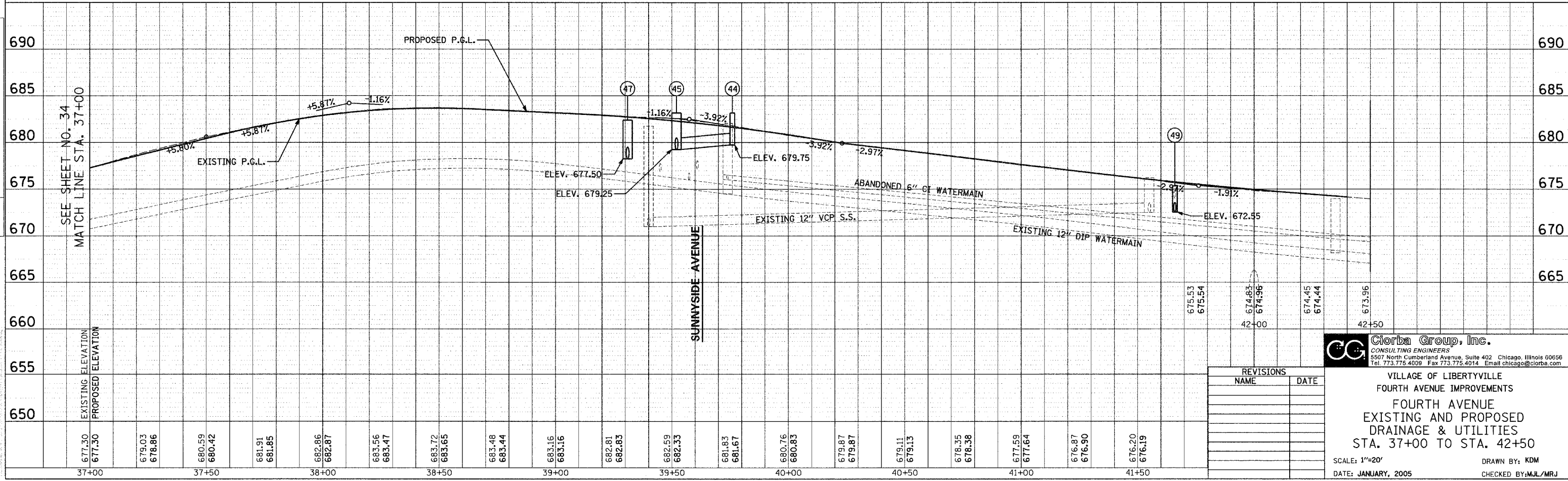
END FOURTH AVENUE IMPROVEMENTS STA. 42+35

- 42 12" SS WATER MAIN REQUIREMENTS  
27' @ 0.50%  
TBF = 6.68 CY
- 44 15" SS WATER MAIN REQUIREMENTS  
24' @ 2.00%  
TBF = 7.48 CY
- 46 15" SS 1 RCP CL 4  
25' @ 3.00%  
TBF = 16.41 CY
- 48 8" SS WATER MAIN REQUIREMENTS  
20' @ 0.5%
- 43 12" SS 1 RCP CL 4  
6' @ 0.50%  
TBF = 1.40 CY
- 45 15" SS 1 RCP CL 4  
33' @ 3.00%  
TBF = 12.62 CY
- 47 15" SS 2 RCP CL 3  
13' @ 3.00%  
TBF = 8.58 CY

NOTE: ONLY CA-6 WILL BE ALLOWED FOR TRENCH BACKFILL MATERIAL.

## FOURTH AVENUE

PROFILE	DATE
BY	
NO.	
NO.	
NO.	



REVISIONS	
NAME	DATE

**CC** Ciorba Group, Inc.  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

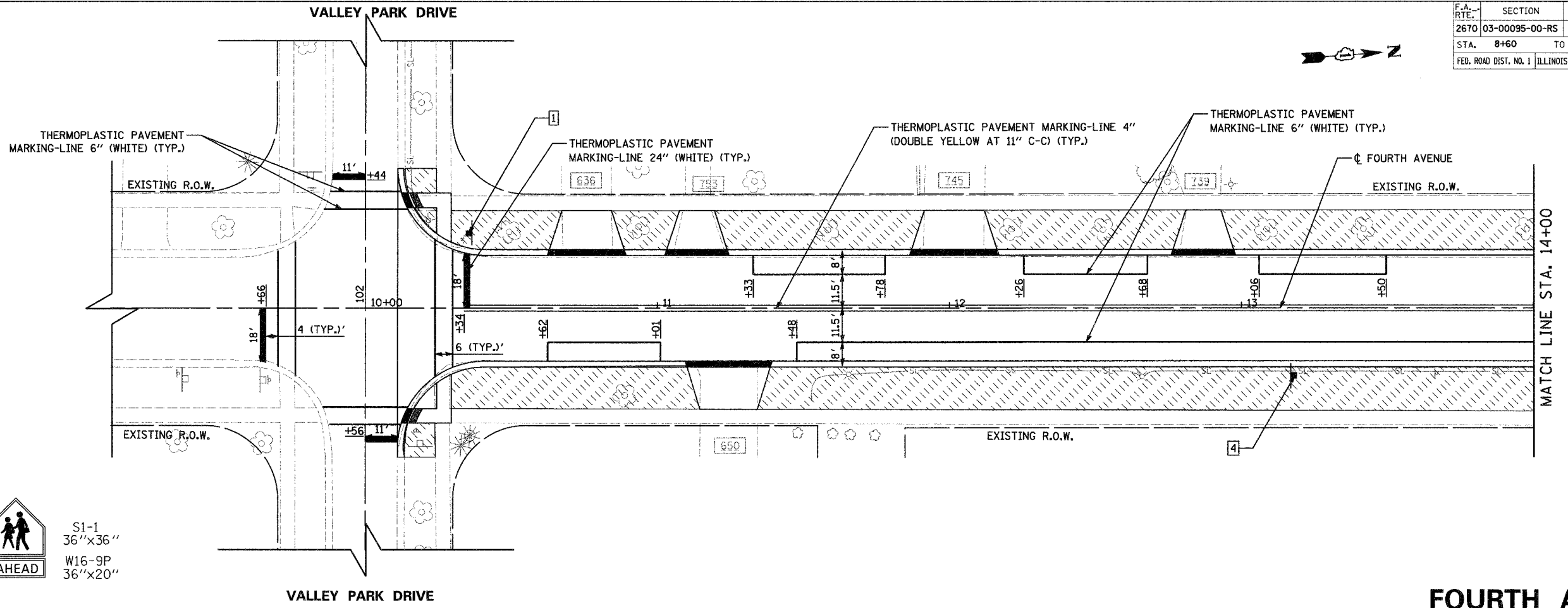
VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
EXISTING AND PROPOSED  
DRAINAGE & UTILITIES  
STA. 37+00 TO STA. 42+50

SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

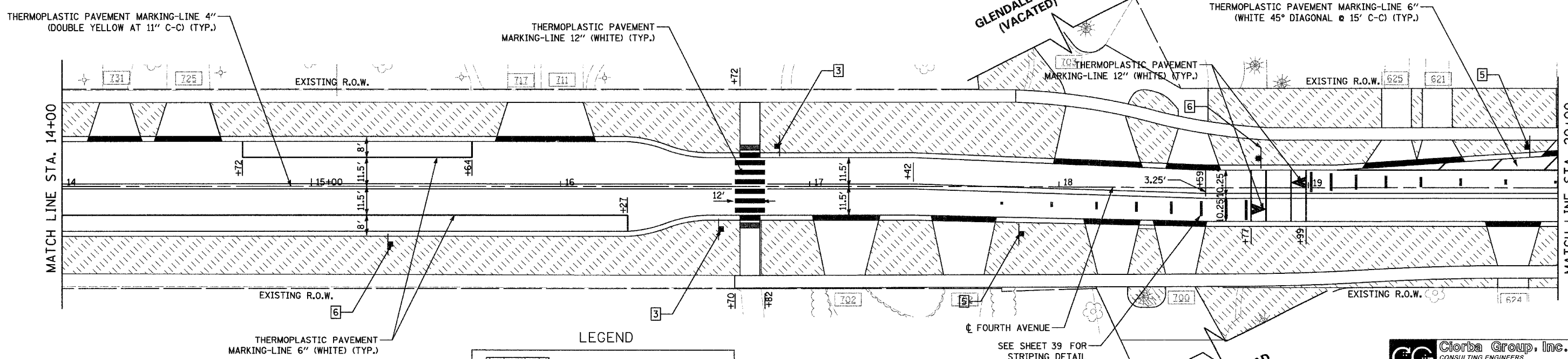
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	36
STA. 8+60	TO STA. 20+00			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		CONTRACT NO.: 83784

**SIGN LEGEND**

- 1 R1-1 30"x30"
- 2 R8-3A 24"x24"
- 3 S1-1 36"x36"
- 4 W16-7 30"x18"  
(ON POSTS RELOCATED BY OTHERS)
- 5 R2-1 24"x30"
- 6 S1-1 36"x36"  
W16-9P 36"x20"



**FOURTH AVENUE**



**LEGEND**

- SODDING TOPSOIL, FURNISH AND PLACE (4")
- PROPOSED SIGN

REVISIONS	
NAME	DATE

**CG Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email: ciorba@ciorba.com

VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
PROPOSED STRIPING,  
SIGNING, & LANDSCAPING PLAN  
STA. 8+60 TO STA. 20+00

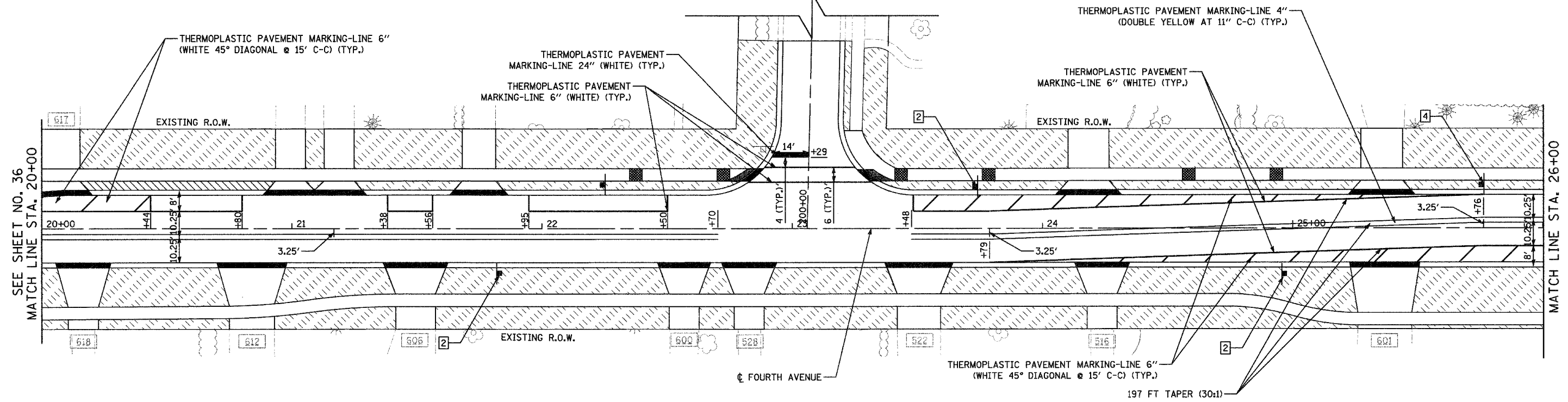
SCALE: 1"=20'  
DATE: JANUARY, 2005  
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

**FOURTH AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	37
STA. 20+00	TO STA. 31+50			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				

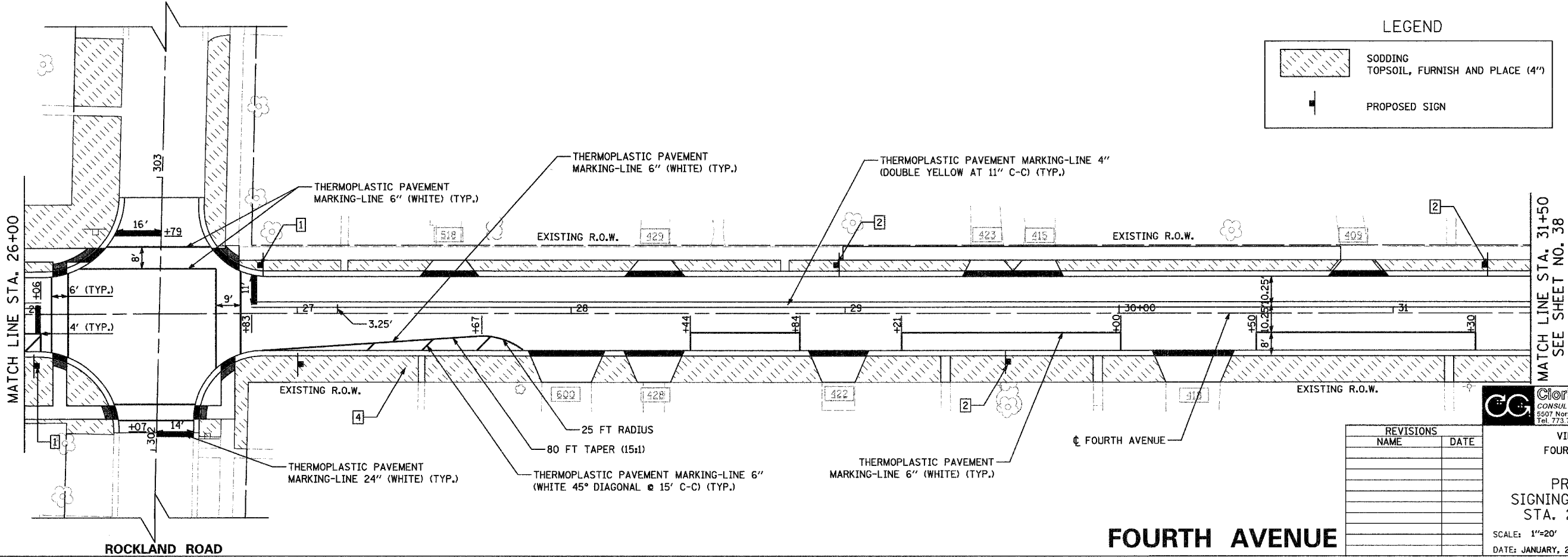


**AUSTIN AVENUE**



**FOURTH AVENUE**

**ROCKLAND ROAD**



**LEGEND**

	SODDING TOPSOIL, FURNISH AND PLACE (4")
	PROPOSED SIGN

REVISIONS	
NAME	DATE

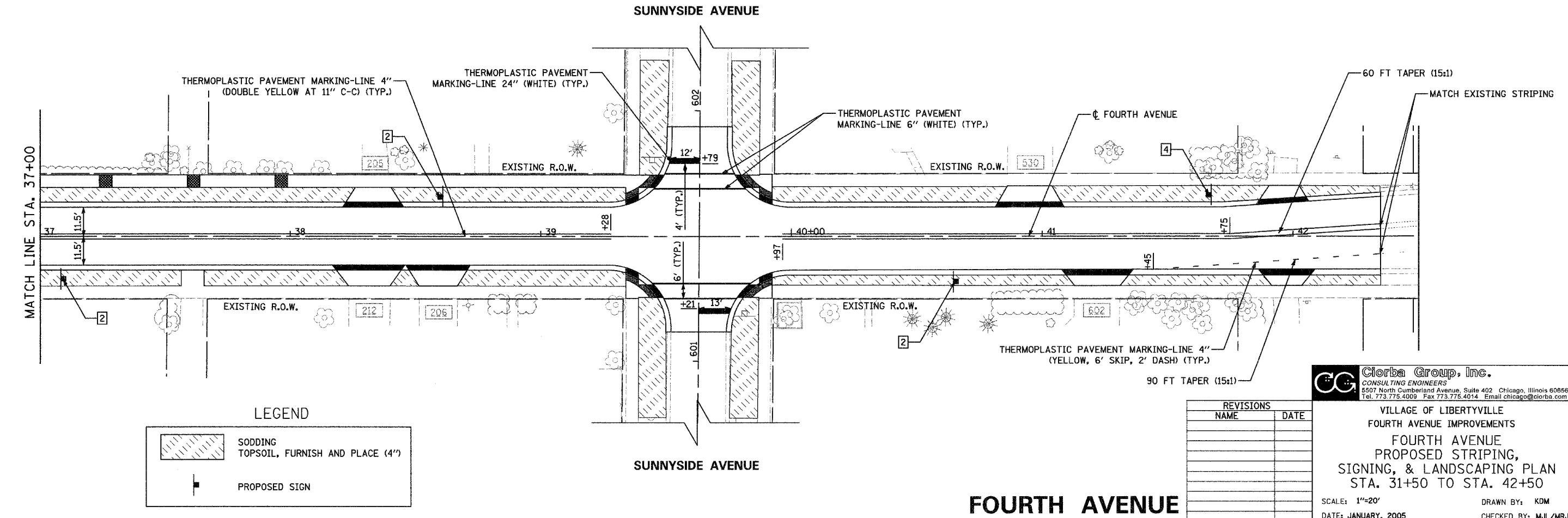
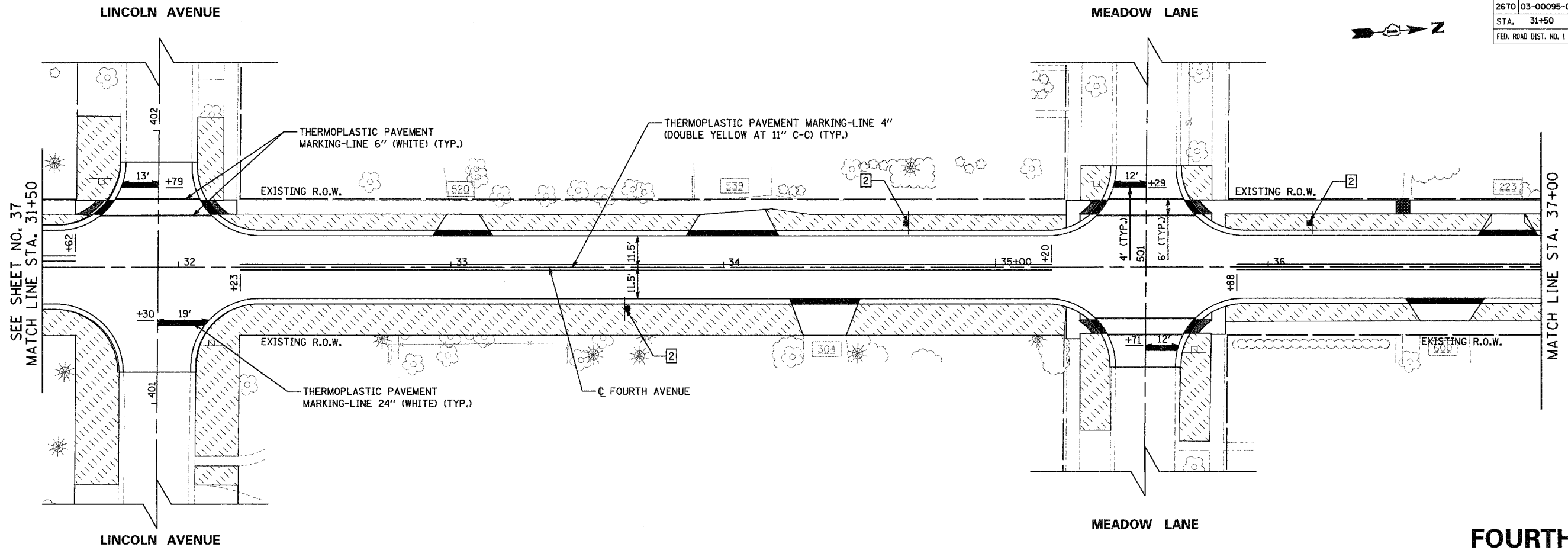
**Clorba Group, Inc.**  
 CONSULTING ENGINEERS  
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF LIBERTYVILLE  
 FOURTH AVENUE IMPROVEMENTS  
 FOURTH AVENUE  
 PROPOSED STRIPING,  
 SIGNING, & LANDSCAPING PLAN  
 STA. 20+00 TO STA. 31+50

SCALE: 1"=20'  
 DATE: JANUARY, 2005  
 DRAWN BY: KDM  
 CHECKED BY: MJL/MRJ

**FOURTH AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	38
STA. 31+50	TO STA. 42+50			
FEB. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.: 83784				



**LEGEND**

	SODDING TOPSOIL, FURNISH AND PLACE (4")
	PROPOSED SIGN

REVISIONS	
NAME	DATE

**Clorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014 Email chigo@clorba.com

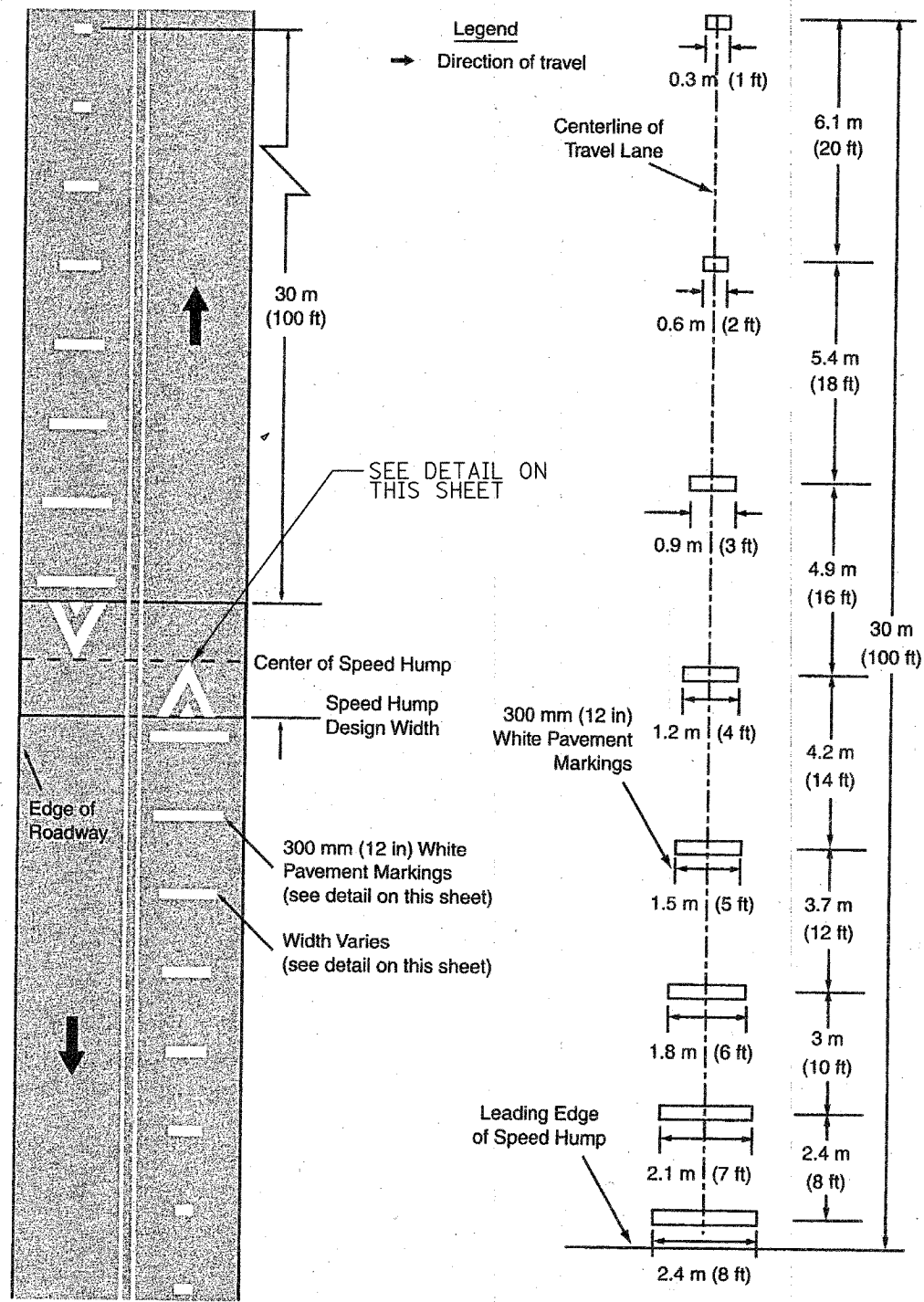
VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS  
FOURTH AVENUE  
PROPOSED STRIPING,  
SIGNING, & LANDSCAPING PLAN  
STA. 31+50 TO STA. 42+50

SCALE: 1"=20'  
DATE: JANUARY, 2005

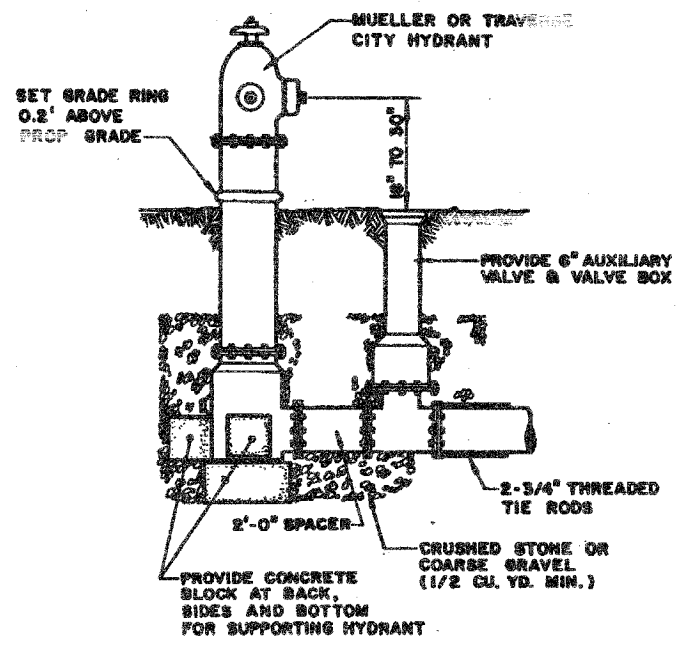
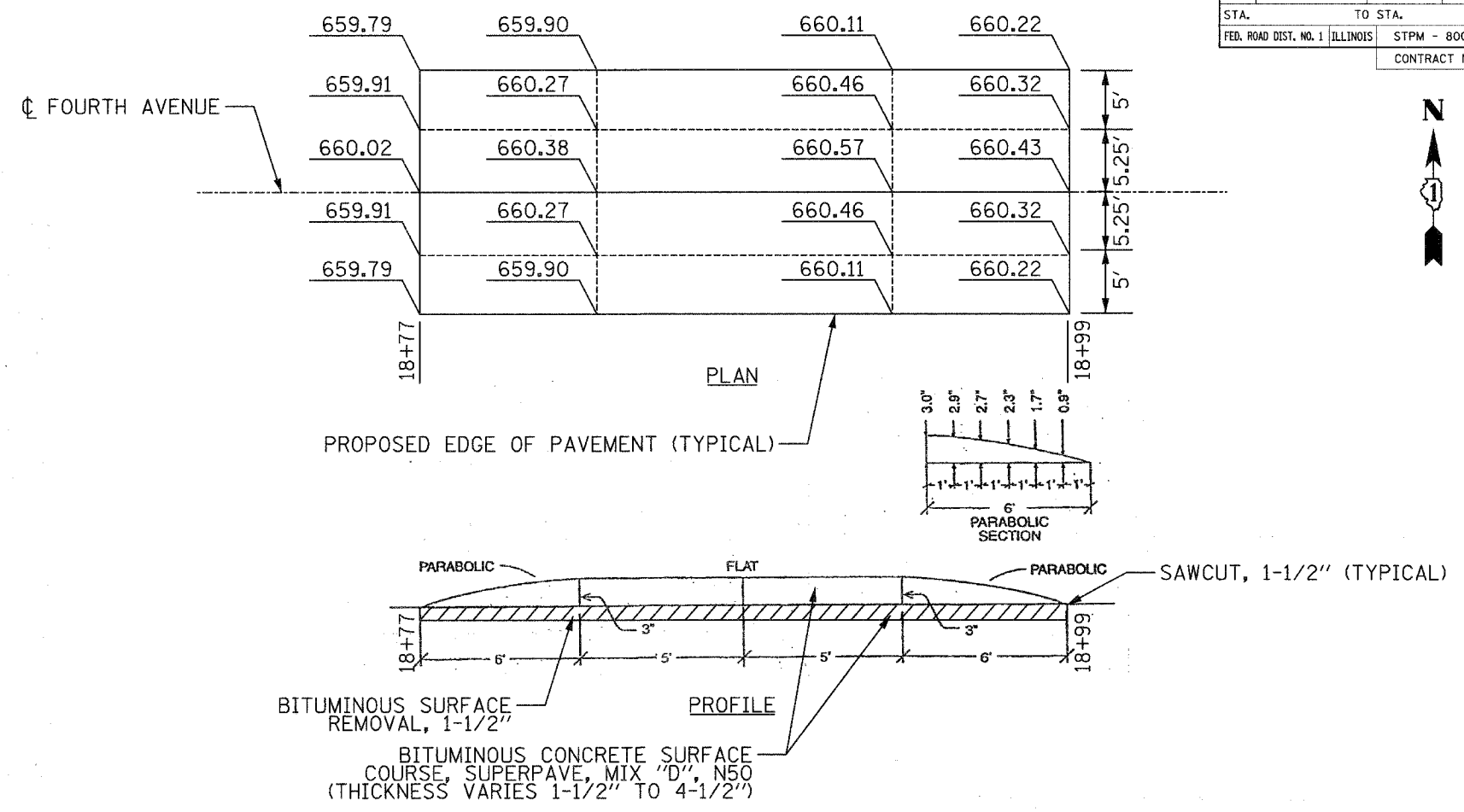
DRAWN BY: KDM  
CHECKED BY: MJL/MRJ

**FOURTH AVENUE**

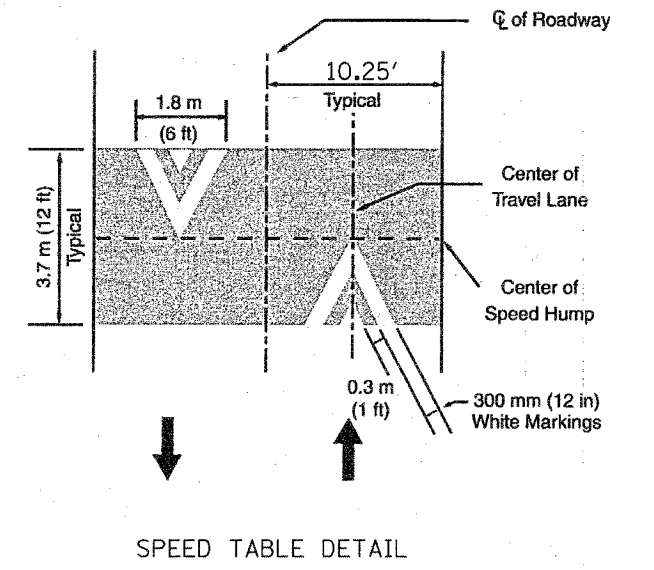
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2670	03-00095-00-RS	LAKE	67	39
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	STPM - 8003 (442)		
CONTRACT NO.:				



ADVANCE WARNING MARKINGS



N.T.S.  
FIRE HYDRANT DETAIL



REVISIONS	
NAME	DATE

**CG** Clorba Group, Inc.  
CONSULTING ENGINEERS  
6507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60659  
Tel 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

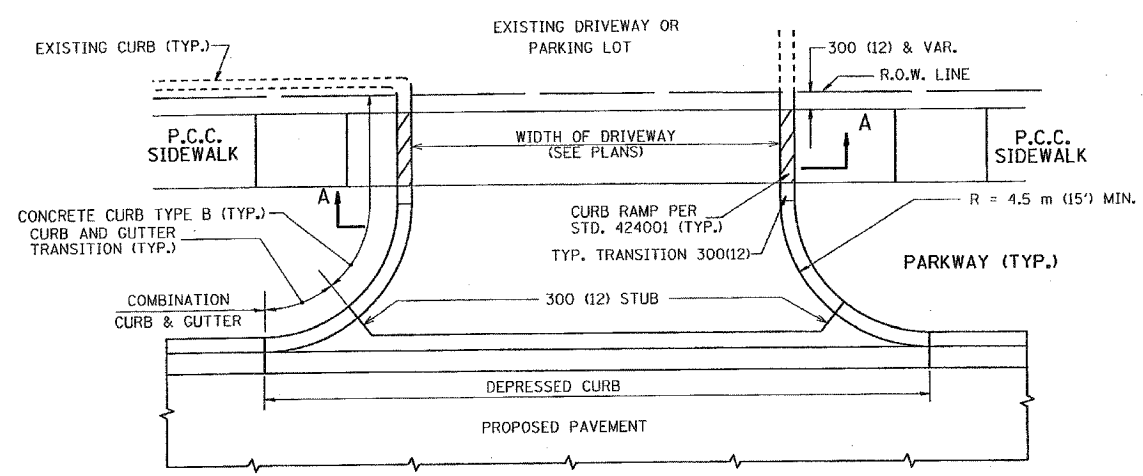
VILLAGE OF LIBERTYVILLE  
FOURTH AVENUE IMPROVEMENTS

DETAILS

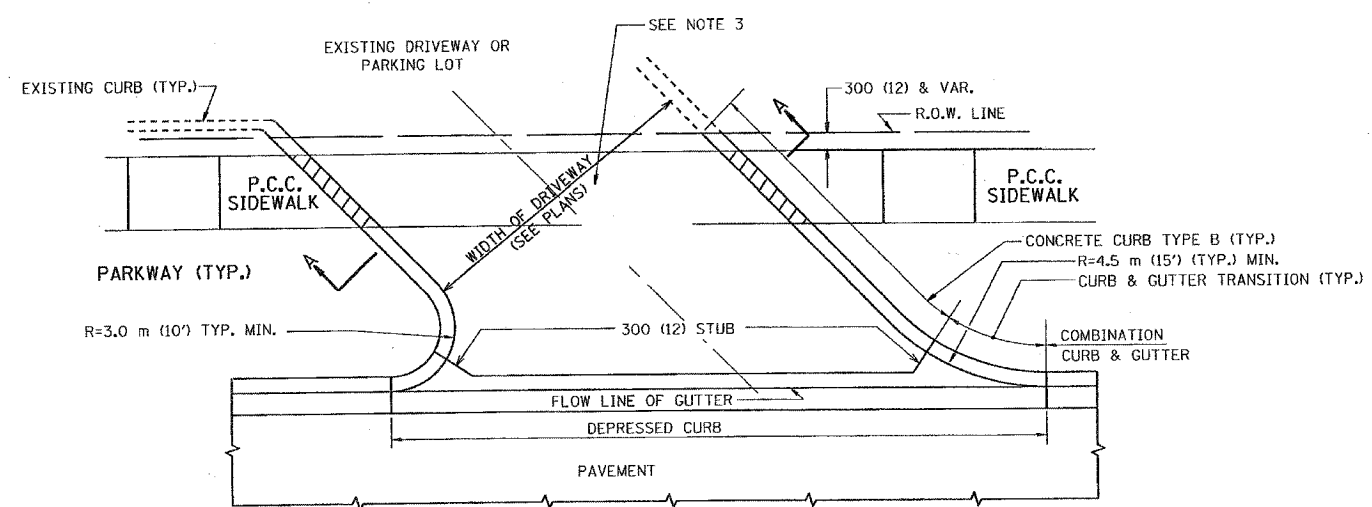
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DATE: JANUARY, 2005

DRAWN BY: KDM  
CHECKED BY: RAY

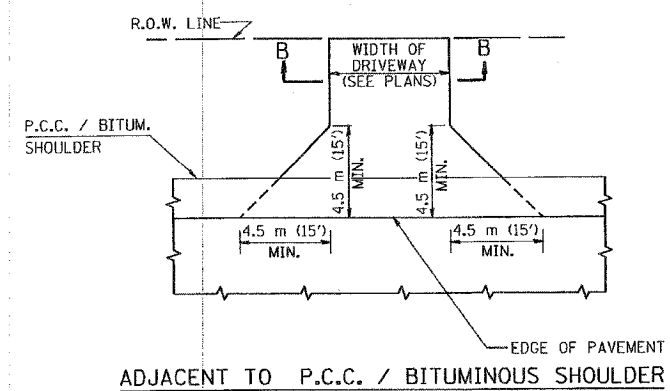
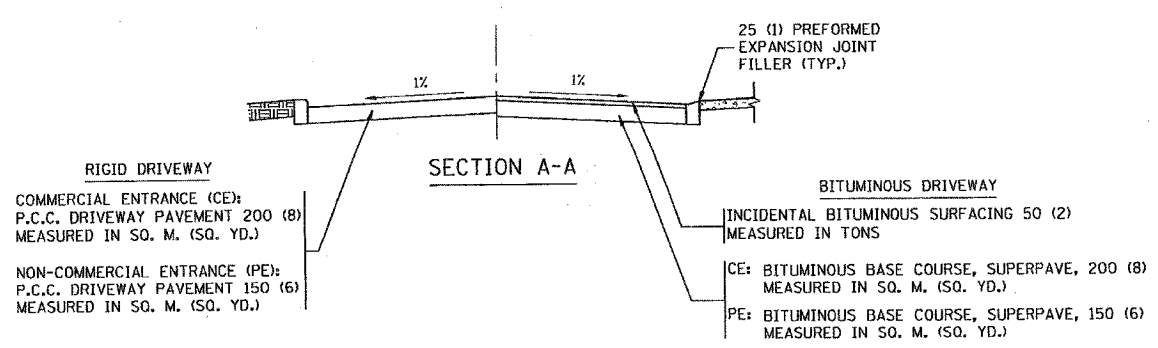
F. & S. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	40
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT



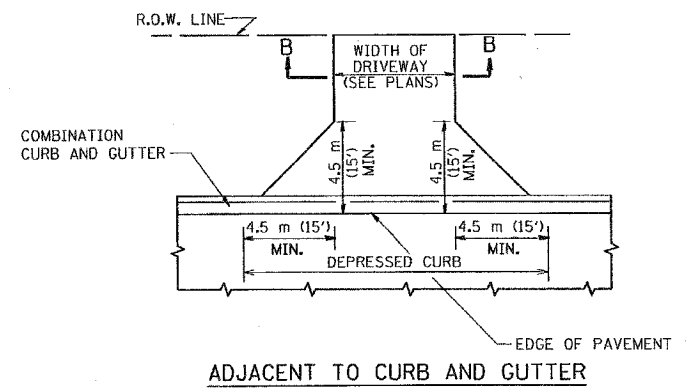
WITH CONCRETE CURB, TYPE B



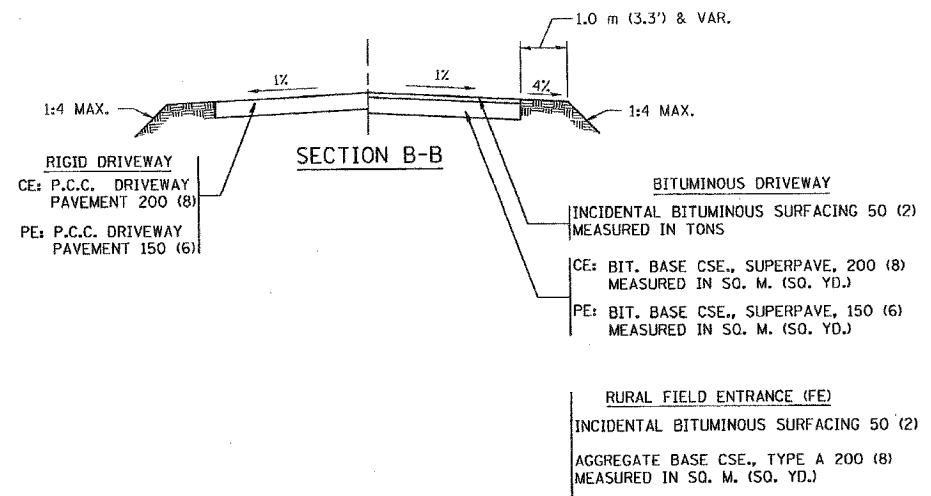
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / BITUMINOUS SHOULDER



ADJACENT TO CURB AND GUTTER



**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 1.2 METERS (4 FEET) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

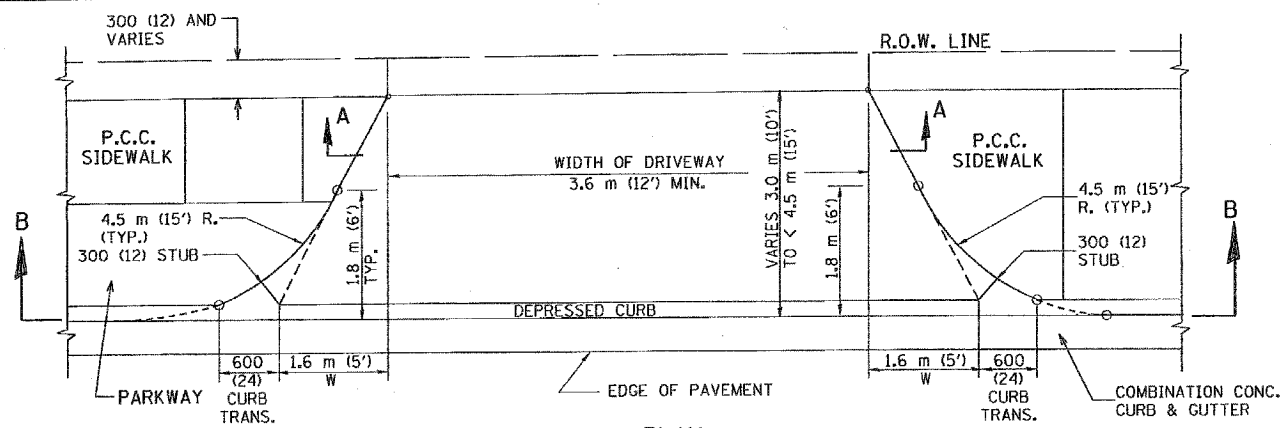
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DRIVEWAY DETAILS**  
 DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 m (15')

REVISIONS	
NAME	DATE
R. SHAH	08-05-95
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01

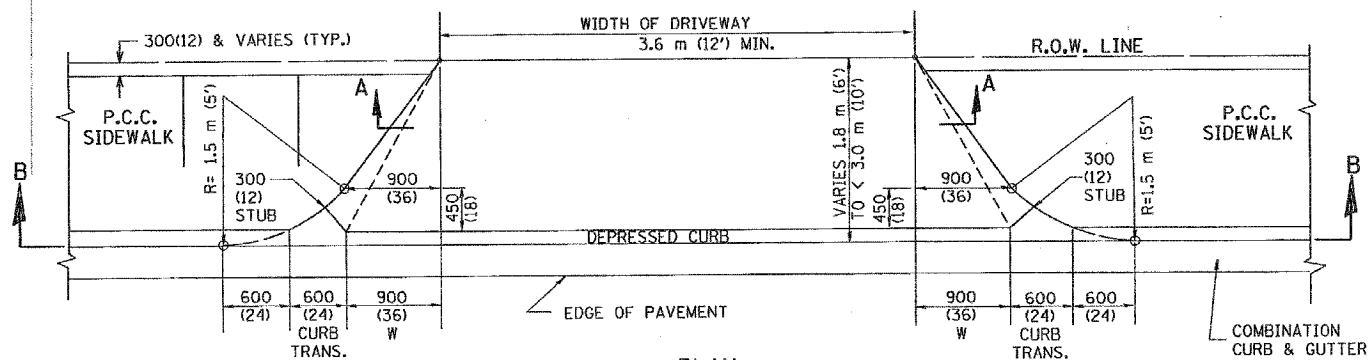
SCALE: NONE  
 DATE PLOTTED: 12/13/01  
 DRAWN BY: SG  
 CHECKED BY: JFP



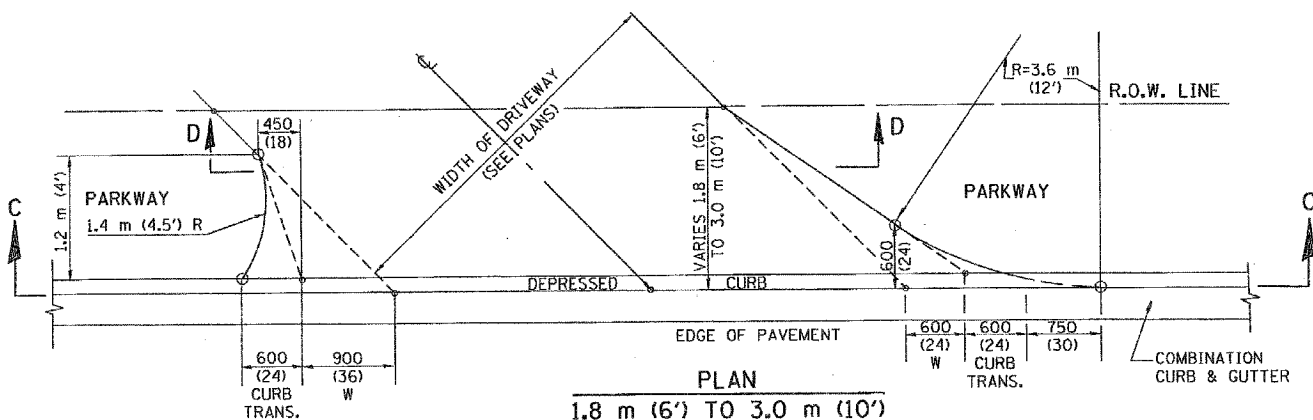
F. & R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-FS	LAKE	67	41
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ALTIMOS	FED. AID PROJECT		



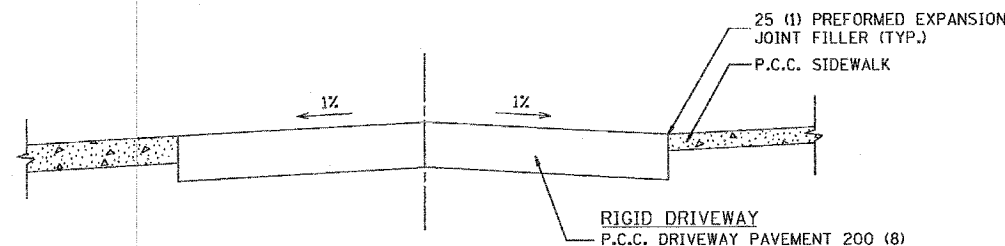
PLAN  
3.0 m (10') TO < 4.5 m (15')



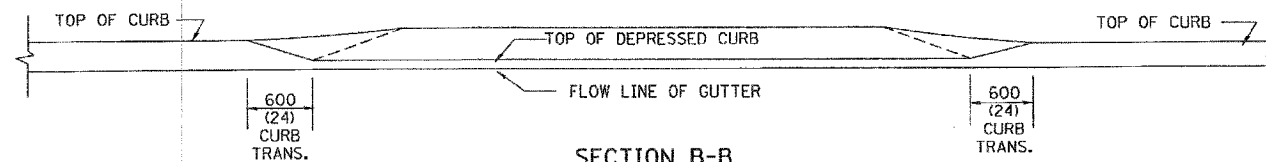
PLAN  
1.8 m (6') < 3.0 m (10')



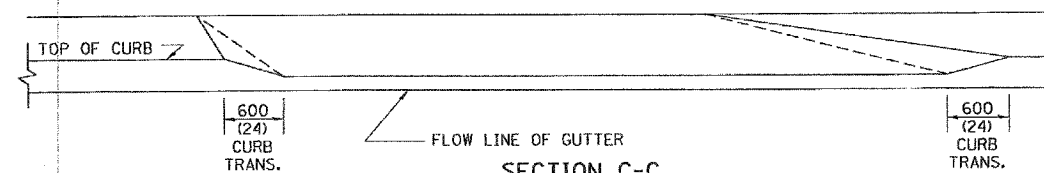
PLAN  
1.8 m (6') TO 3.0 m (10')



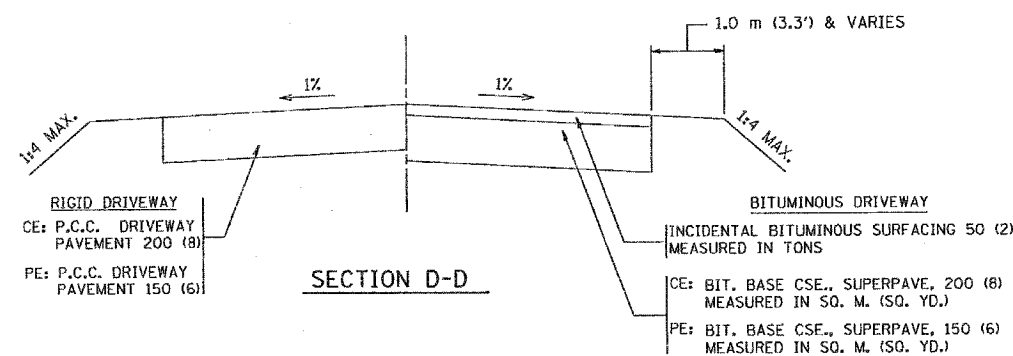
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 'HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS'. FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 2.4 M (8'), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 900 (36) TO 1.5 m (5 FT.) PROPORTIONAL TO THE LENGTH (L), FROM 1.8 m (6 FT.) TO 3 m (10 FT.).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

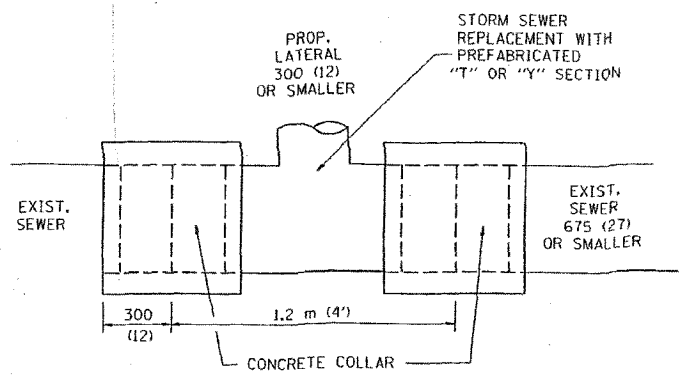
DRIVEWAY DETAILS

DISTANCE BETWEEN ROW AND FACE OF CURB < 4.5 m (15')

REVISIONS	
NAME	DATE
M. GOMEZ	04/06/01
R. SHAH	08/05/95
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97

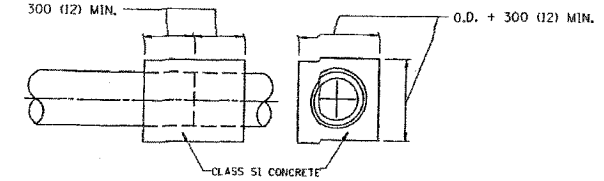
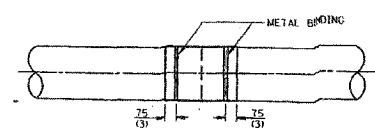
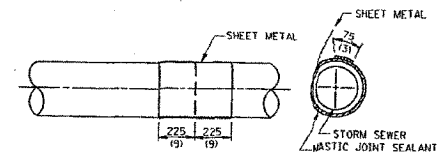
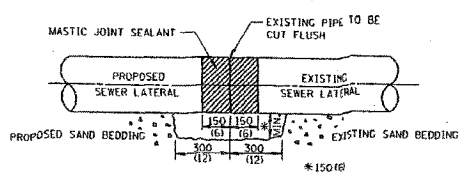
SCALE: NONE  
DATE PLOTTED: 12/13/01

DRAWN BY: SG  
CHECKED BY: JFP



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER

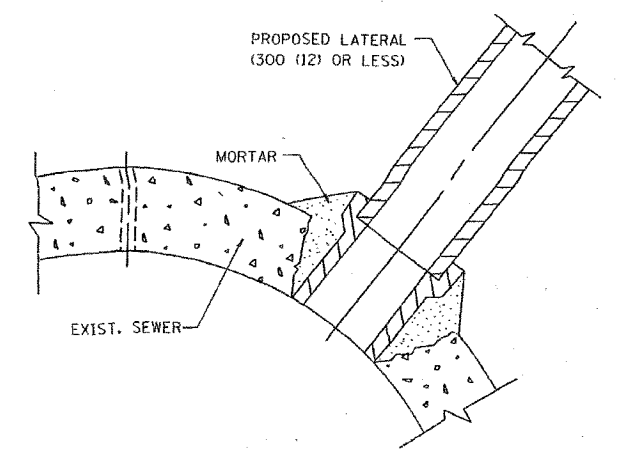


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 x 150 (12 x 6) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 75 (3) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

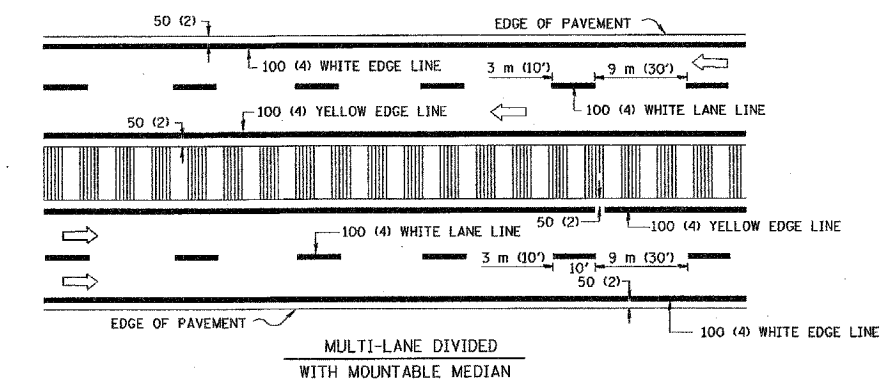
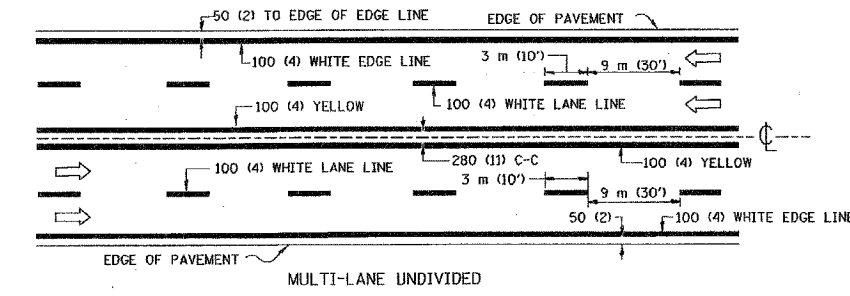
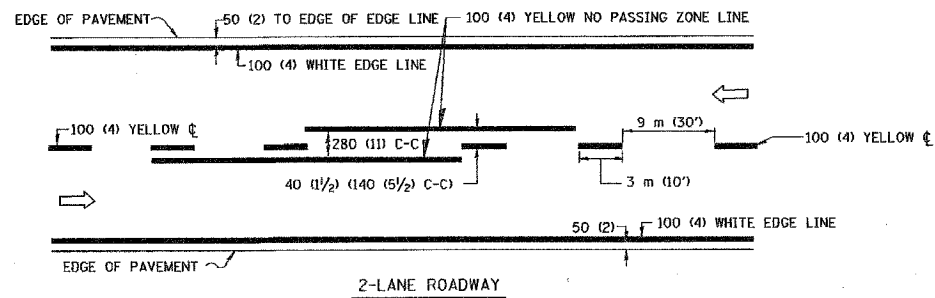
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER**

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

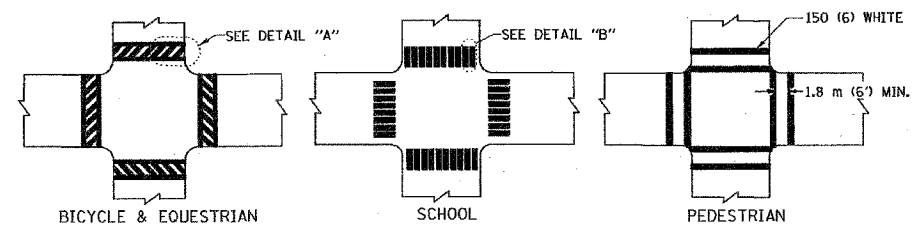
SCALE: NONE  
 DATE 10/18/2002  
 DRAWN BY CADD  
 CHECKED BY

BD500-01 (BD-7)  
 REVISION DATE: 06/12/96

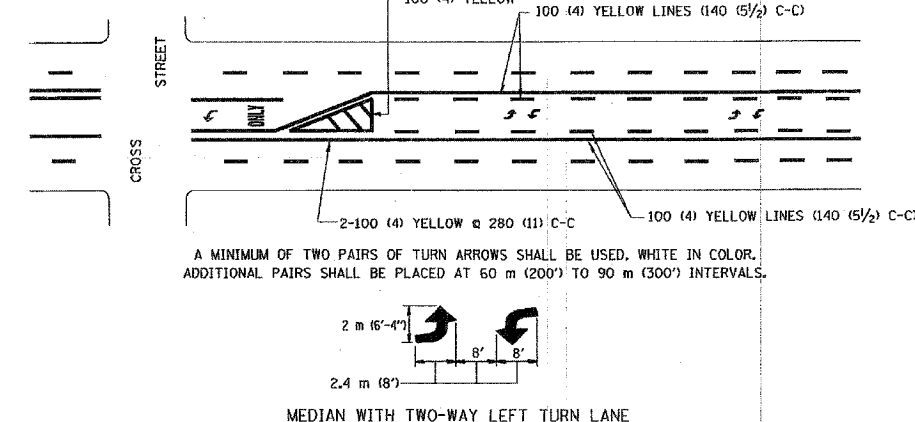
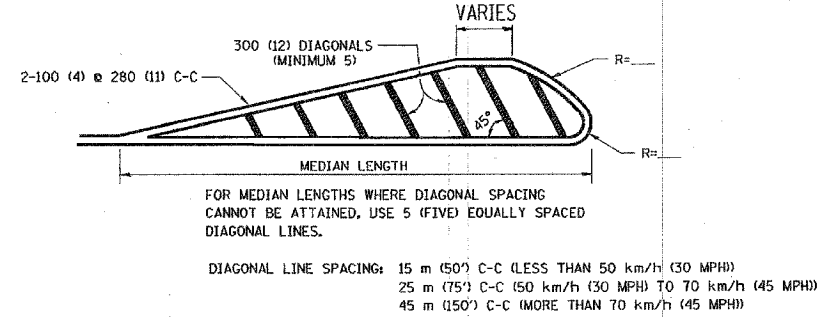
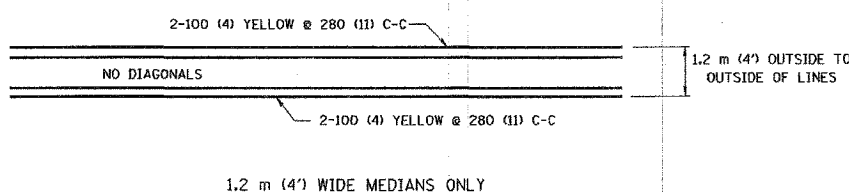


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

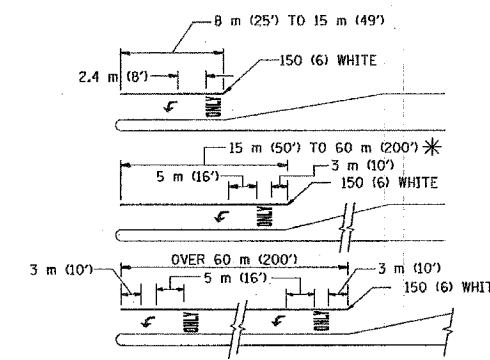
**TYPICAL LANE AND EDGE LINE MARKING**



**TYPICAL CROSSWALK MARKING**

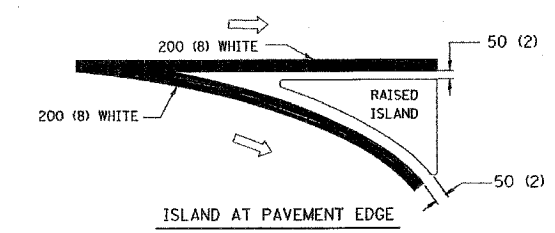
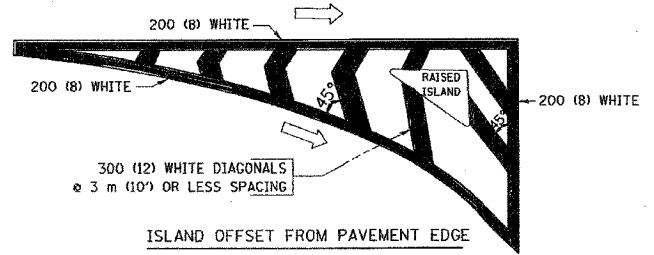


**TYPICAL PAINTED MEDIAN MARKING**



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.  
 \* AREA = 1.5 m<sup>2</sup> (15.6 SQ. FT.) ONLY AREA = 1.9 m<sup>2</sup> (20.8 SQ. FT.)  
 \* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m <sup>2</sup> (3.6 SQ. FT.) EACH "X"=5.0 m <sup>2</sup> (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 1997 AND STATE STANDARD 780001.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS		
NAME	DATE	
EVERS	03-19-90	
T. RAMMACHER	10-27-94	
ALEX HOUSEH	10-09-96	
ALEX HOUSEH	10-17-96	
T. RAMMACHER	01-06-00	

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DISTRICT ONE  
TYPICAL PAVEMENT  
MARKINGS**

SCALE: NONE  
DATE: 10/11/01

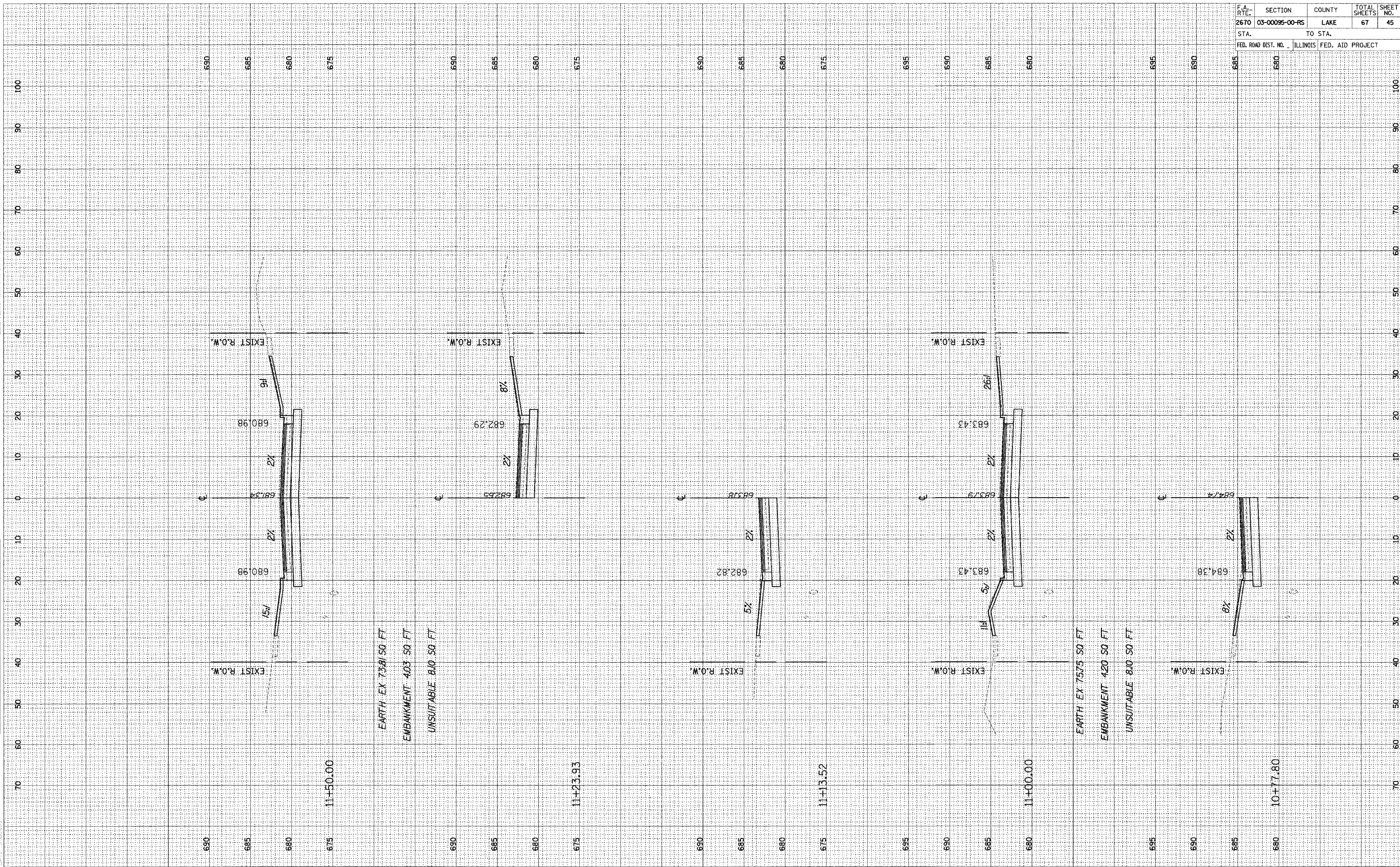
DRAWN BY: CADD  
CHECKED BY:



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NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

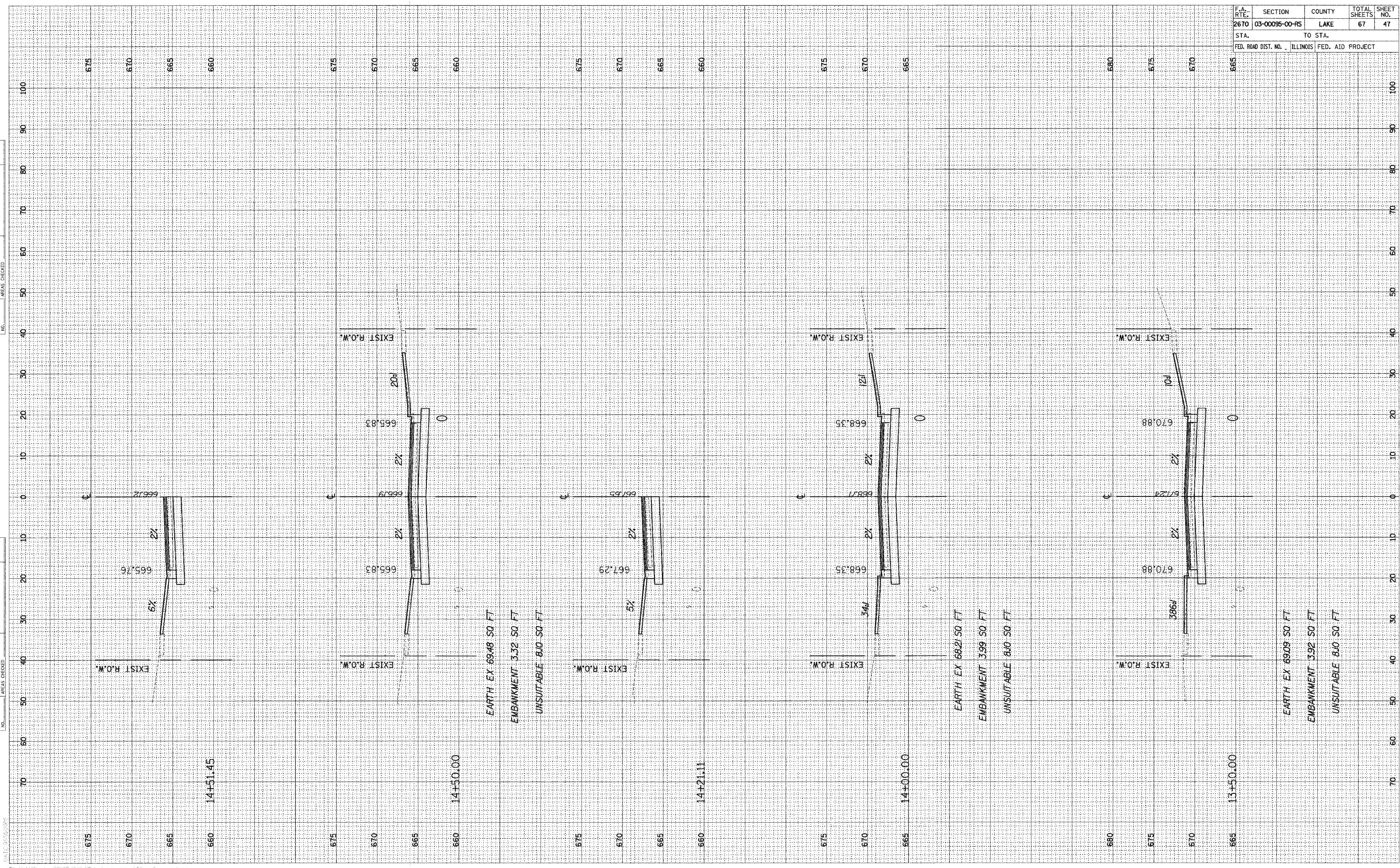




ORIGINAL SURVEY	DATE
FORWARDED SURVEY	BY
NOTED SURVEY	DATE
PLOTTED SURVEY	BY
TEMPLATE SURVEY	DATE
AREAS SURVEY	BY
CHECKED SURVEY	DATE

FINAL SURVEY	DATE
FORWARDED SURVEY	BY
PLOTTED SURVEY	DATE
TEMPLATE SURVEY	BY
AREAS SURVEY	DATE
CHECKED SURVEY	BY

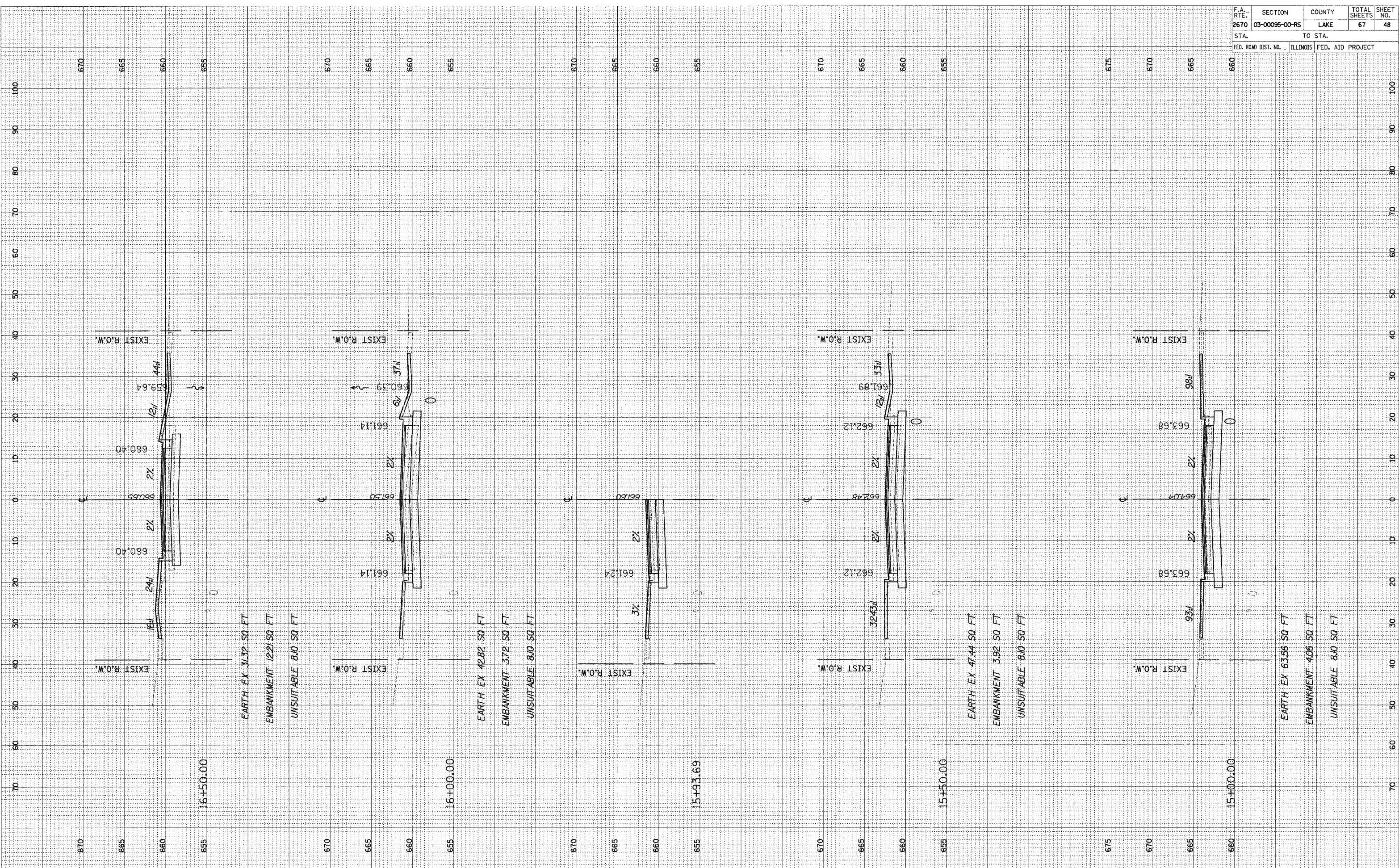
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2670	03-00095-00-RS	LAKE	67	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
CHECKED	AREAS		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
CHECKED	AREAS		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	48
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

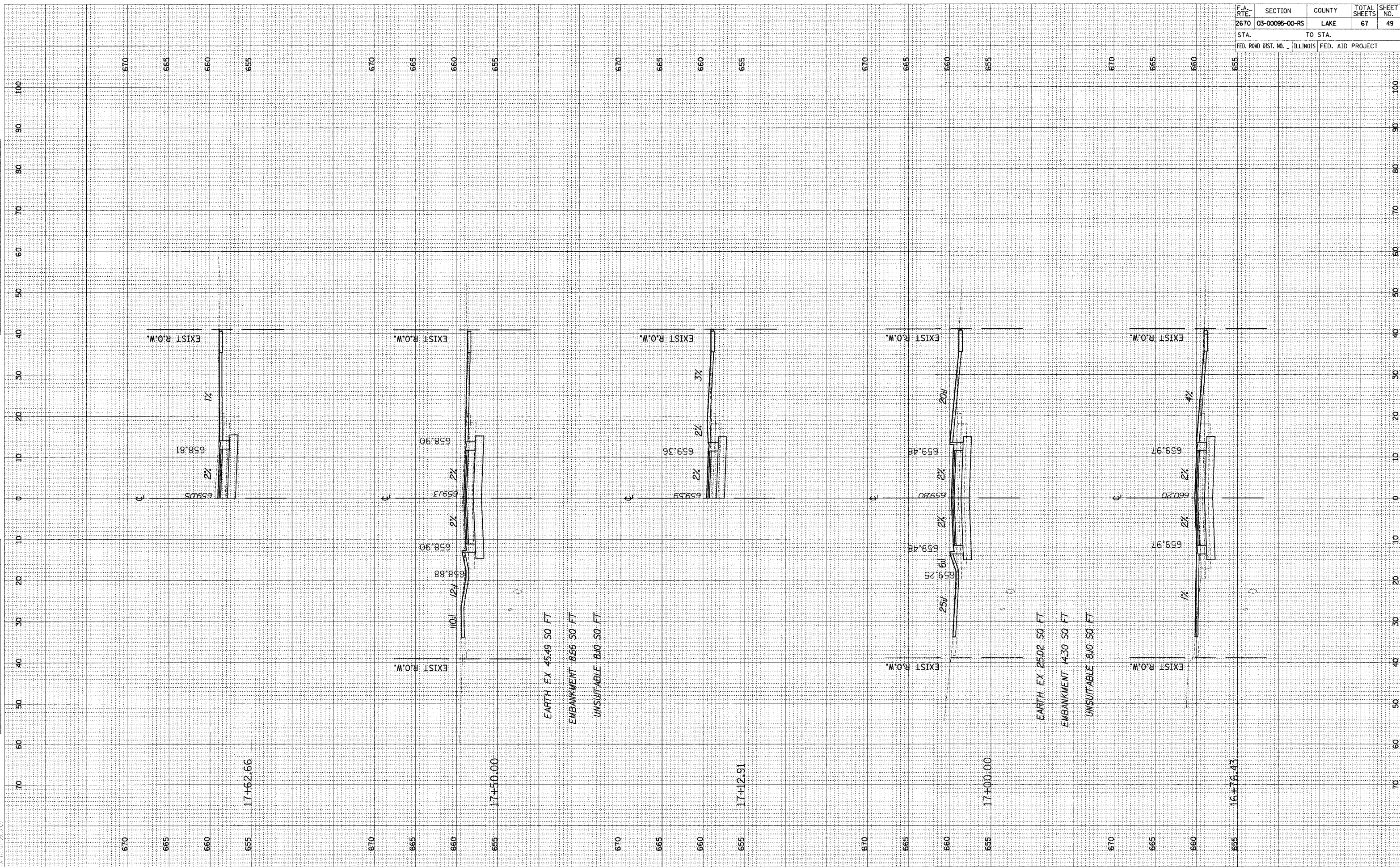




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

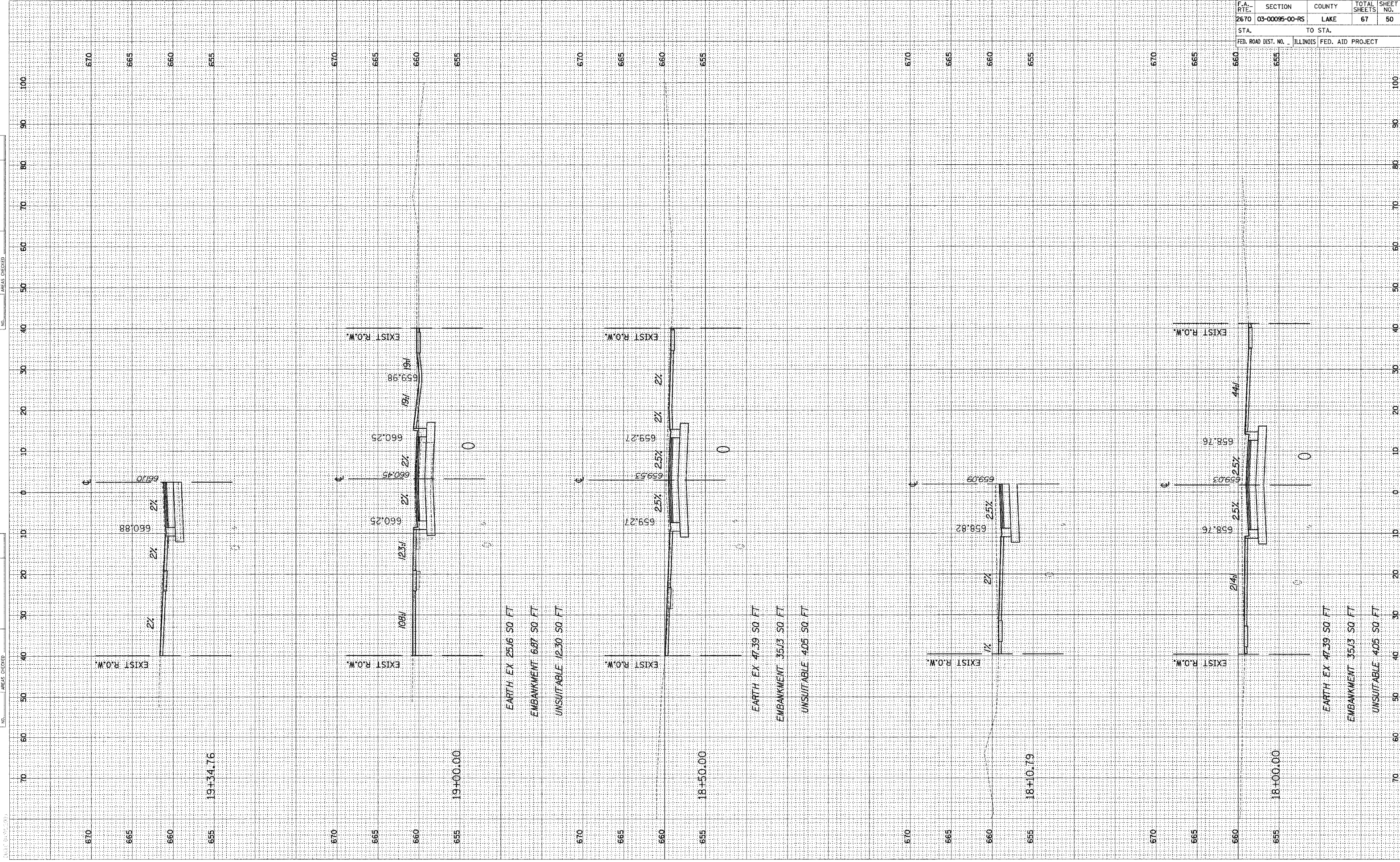
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NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

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NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS	TEMPLATE	
AREAS CHECKED	AREAS	

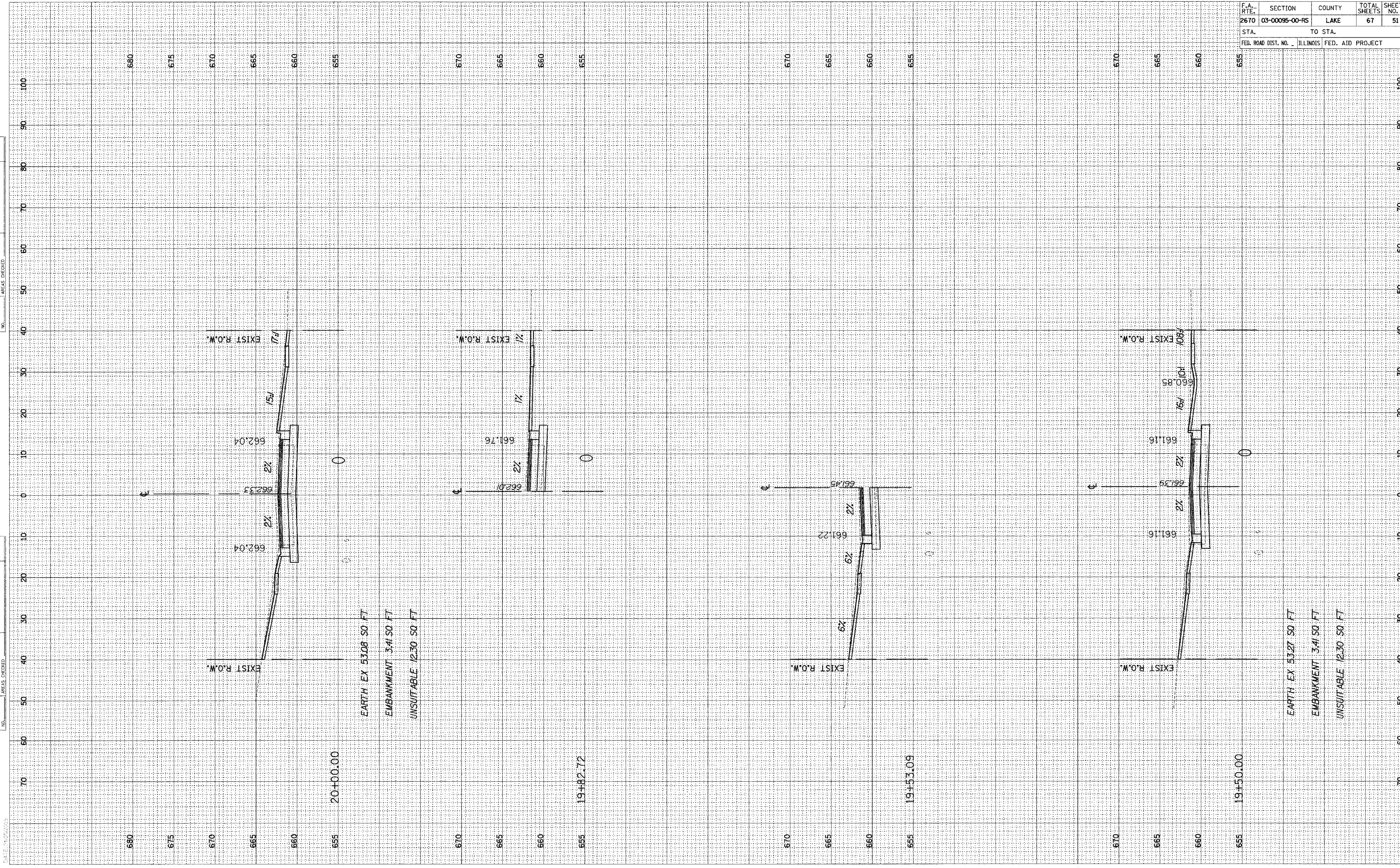
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NOTE BOOK	PLOTTED	BY
AREAS	TEMPLATE	
AREAS CHECKED	AREAS	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

QUANTIFIED	DATE
PLOTTED	BY
TEMPLATE	
AREAS	
CHECKED	



20+00.00

EARTH EX 53.08 SQ FT  
 EMBANKMENT 3.41 SQ FT  
 UNSUITABLE 12.30 SQ FT

19+82.72

19+53.09

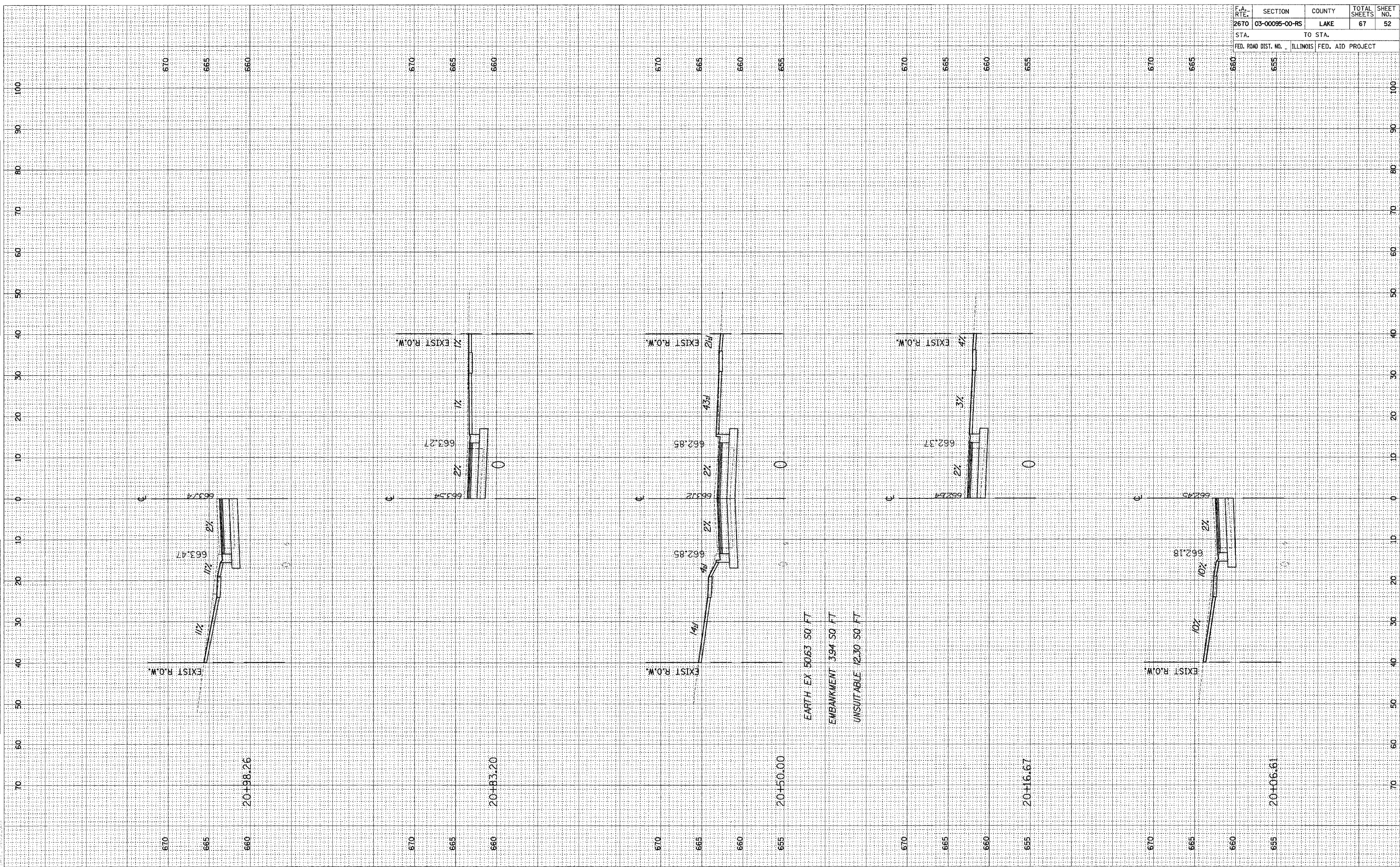
EARTH EX 53.27 SQ FT  
 EMBANKMENT 3.41 SQ FT  
 UNSUITABLE 12.30 SQ FT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY REQUESTED SURVEY PLOTTED PLATE NO. BY DATE

ORIGINAL SURVEY REQUESTED SURVEY PLOTTED PLATE NO. BY DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

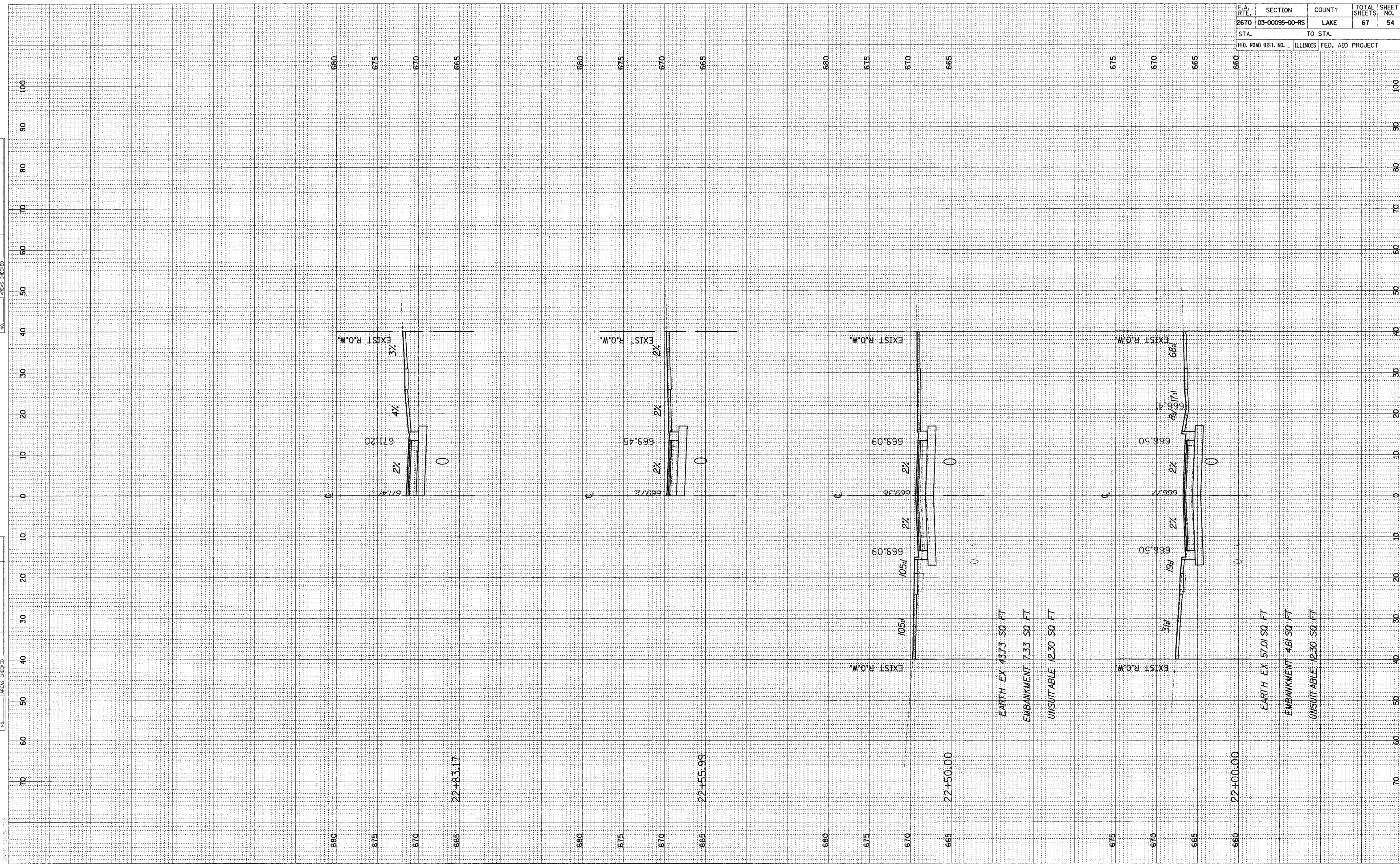




ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	
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FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

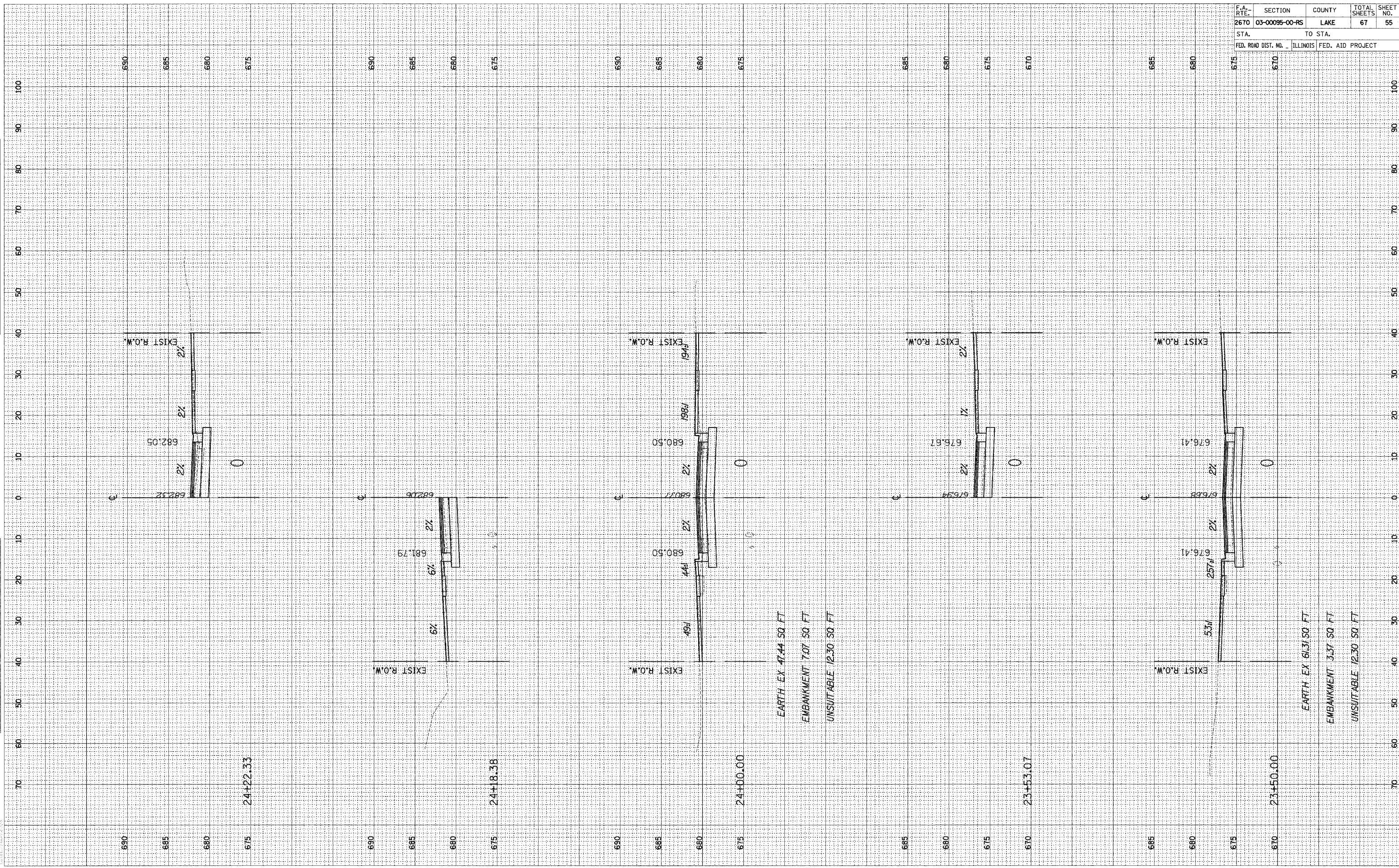
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2670	03-00095-00-RS	LAKE	67	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	CURVES	DATE
NOTE BOOK	PLOTTED	BY
NO.	AREAS	
	CHECKED	

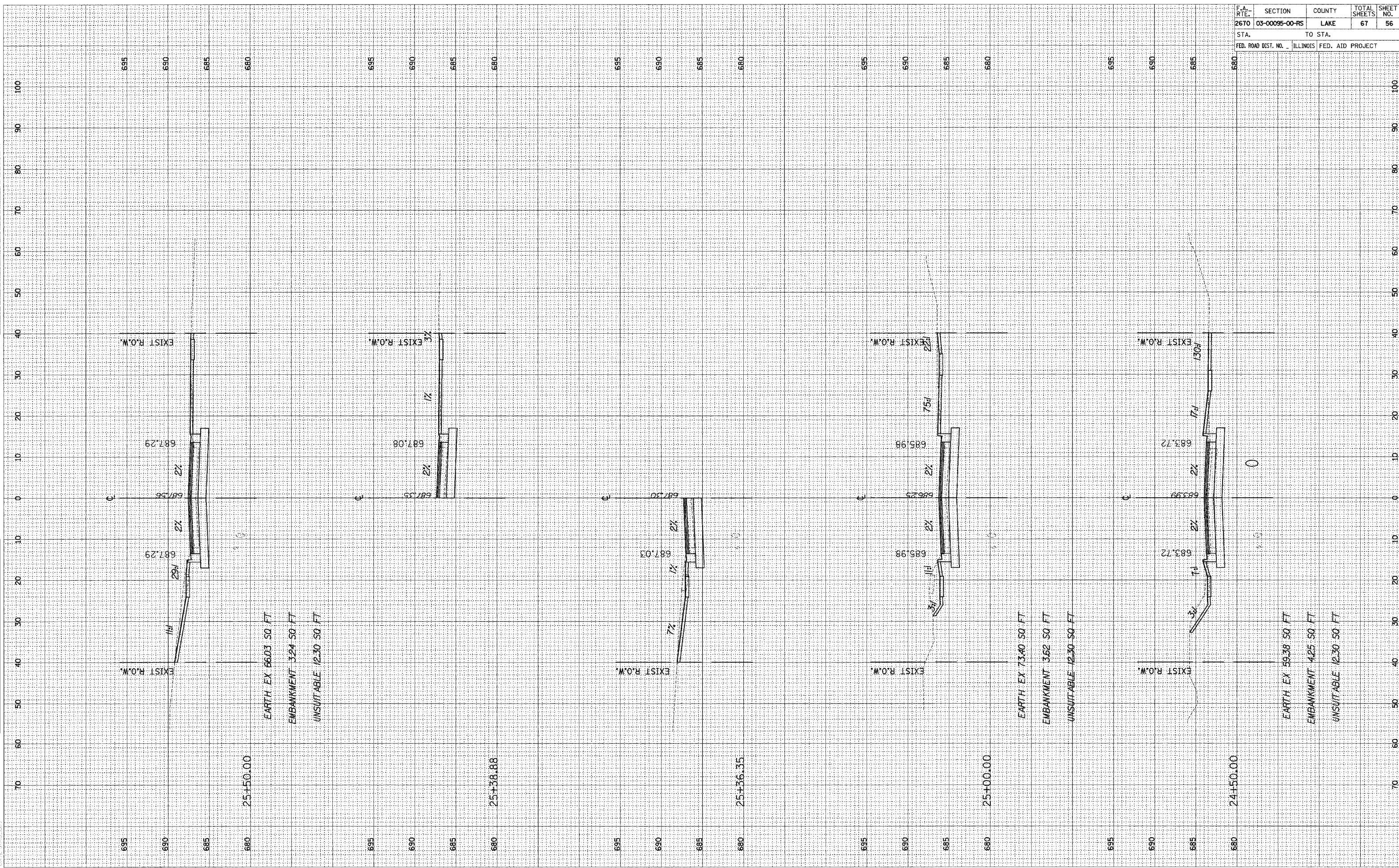
ORIGINAL SURVEY	DATE
NOTE BOOK	BY
NO.	



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
NO.	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
NO.	CHECKED		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DATE: 10/15/2003

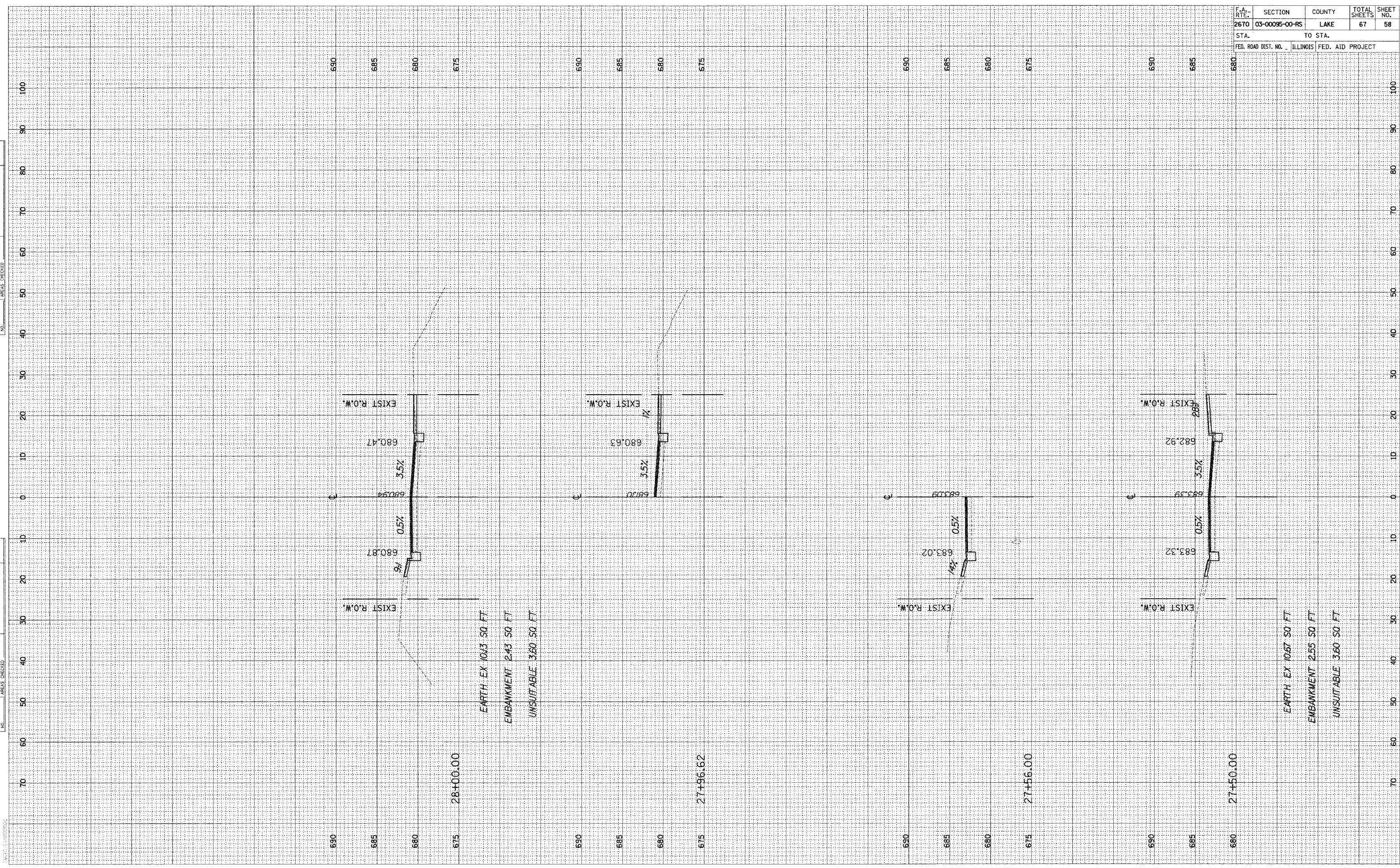




ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
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FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
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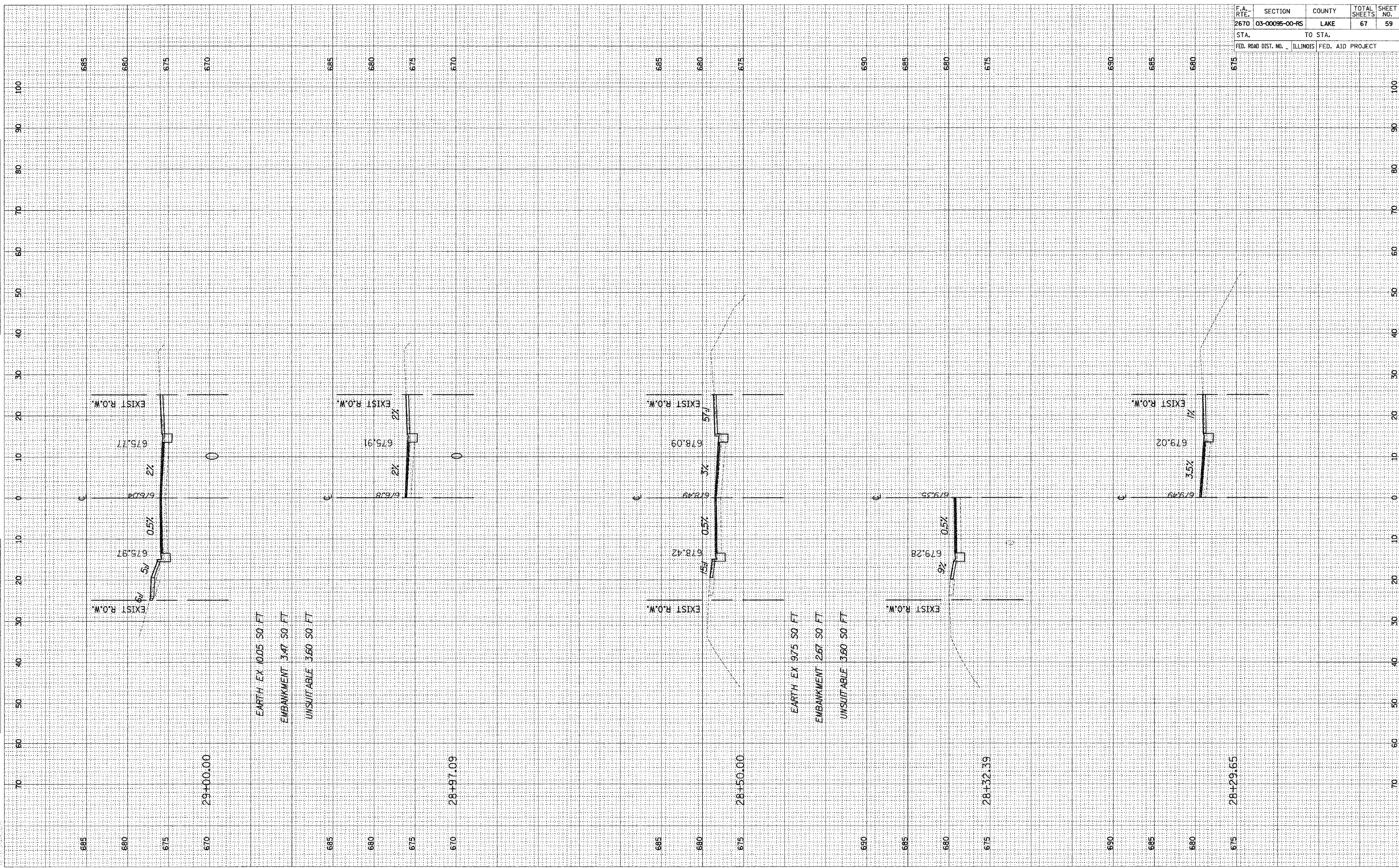
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2670	03-00095-00-RS	LAKE	67	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

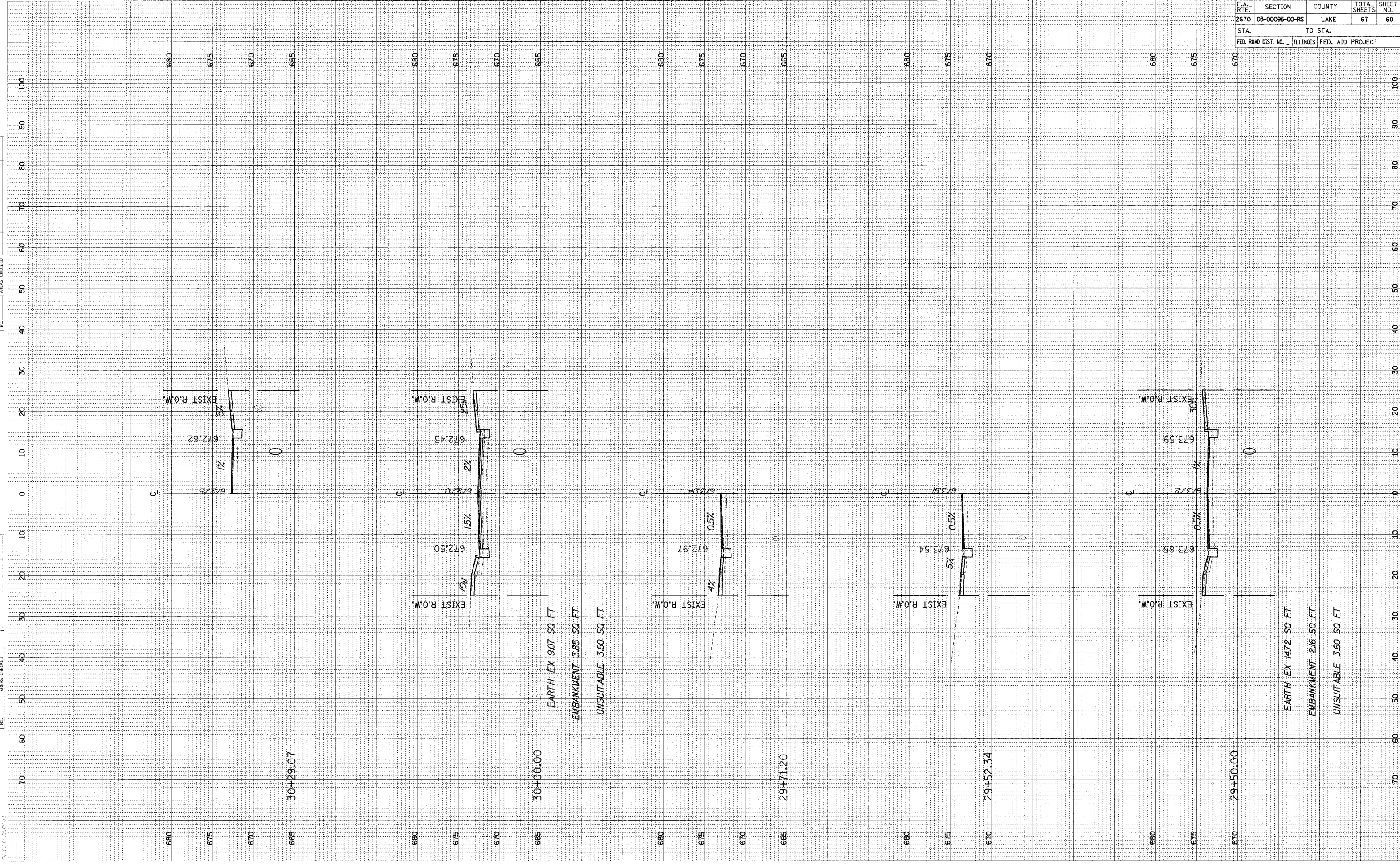
FINAL	CHECKED	DATE
SURVEY	PLOTTED	
NOTE BOOK	EMULATE	
NO.	AREAS CHECKED	

ORIGINAL	CHECKED	DATE
SURVEY	PLOTTED	
NOTE BOOK	EMULATE	
NO.	AREAS CHECKED	



ORIGINAL SURVEY	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



30+29.07

30+00.00

29+71.20

29+52.34

29+50.00

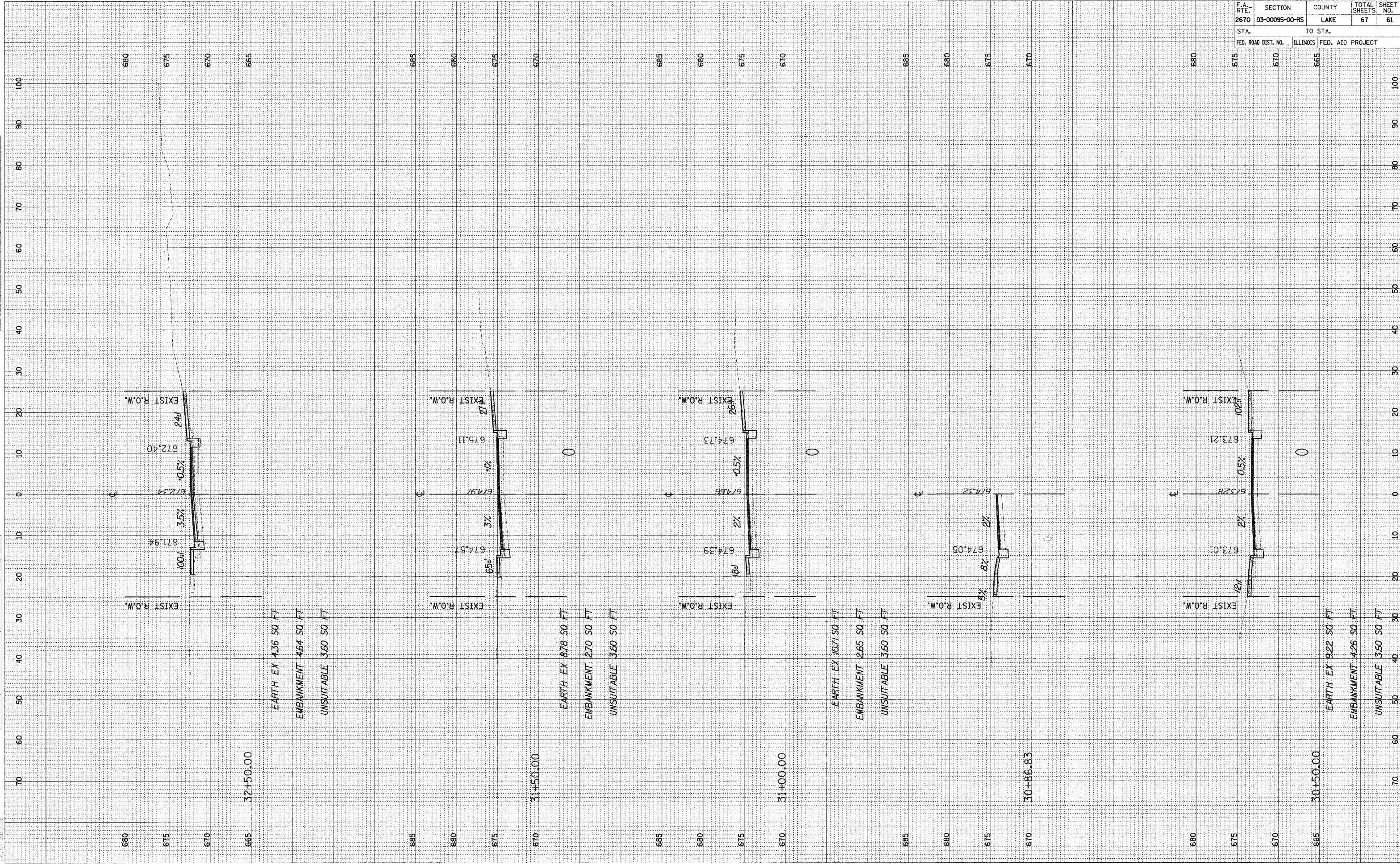
EARTH EX 907 SQ FT  
EMBANKMENT 385 SQ FT  
UNSUITABLE 360 SQ FT

EARTH EX 1472 SQ FT  
EMBANKMENT 216 SQ FT  
UNSUITABLE 360 SQ FT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	61
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

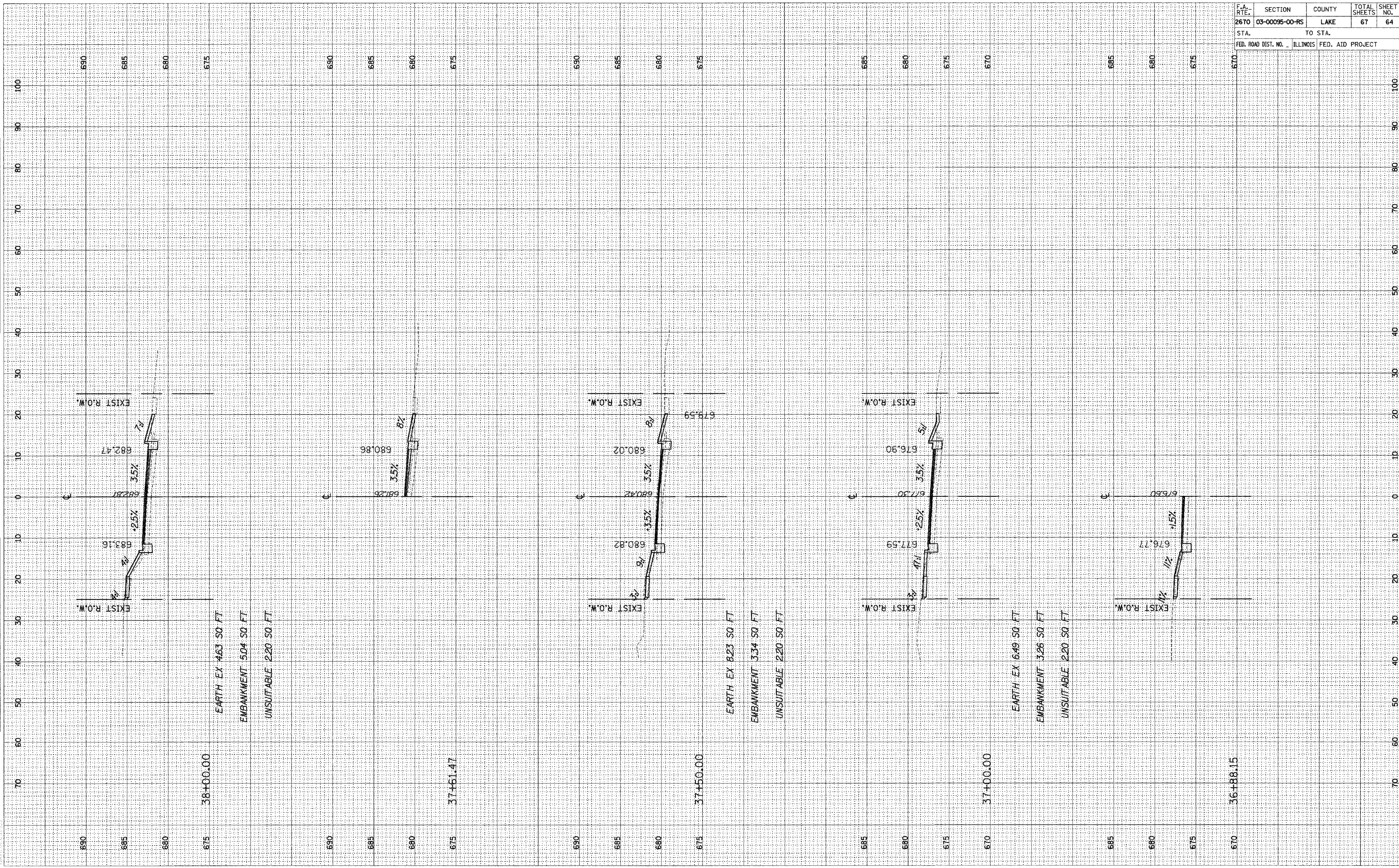




ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

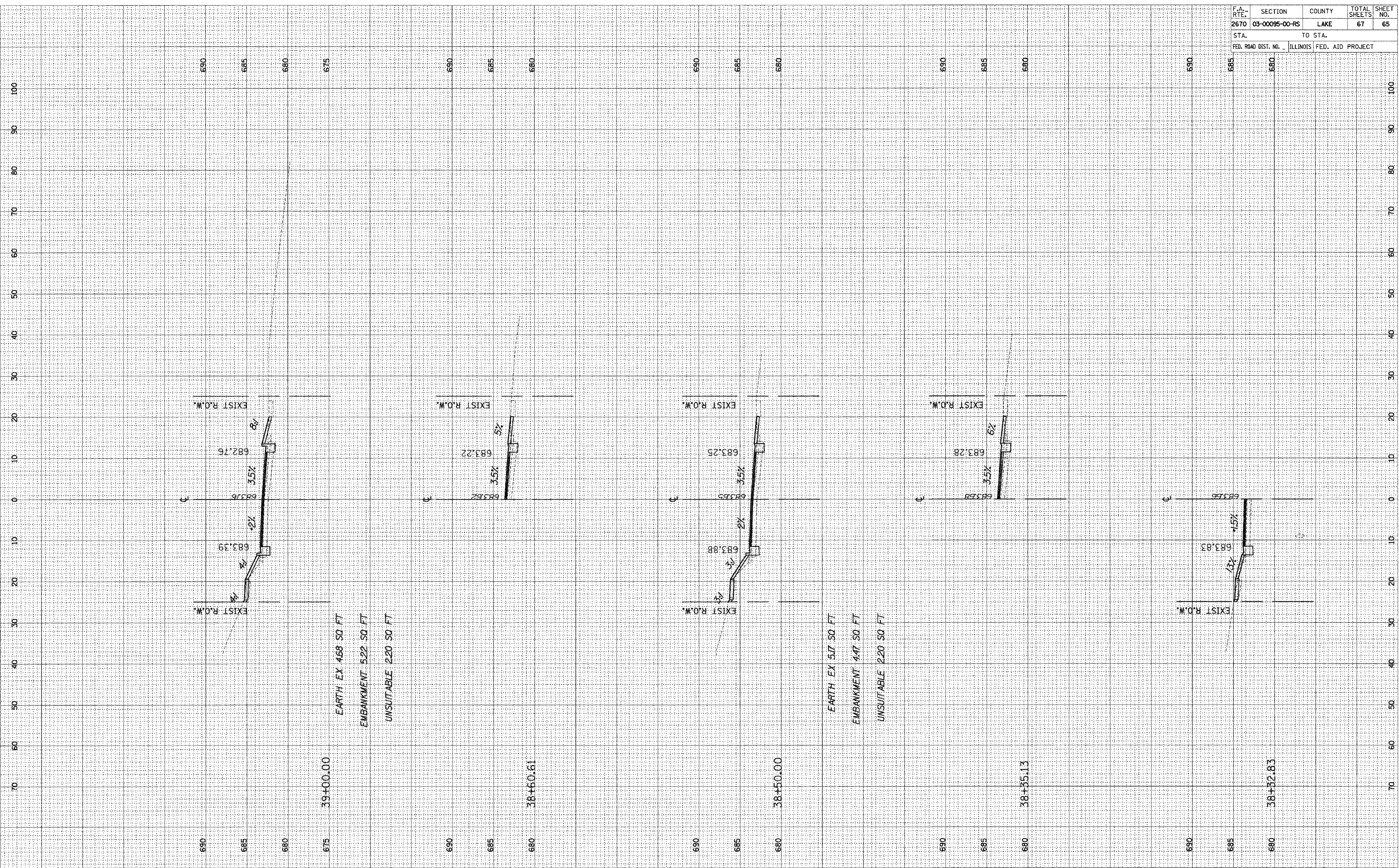
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





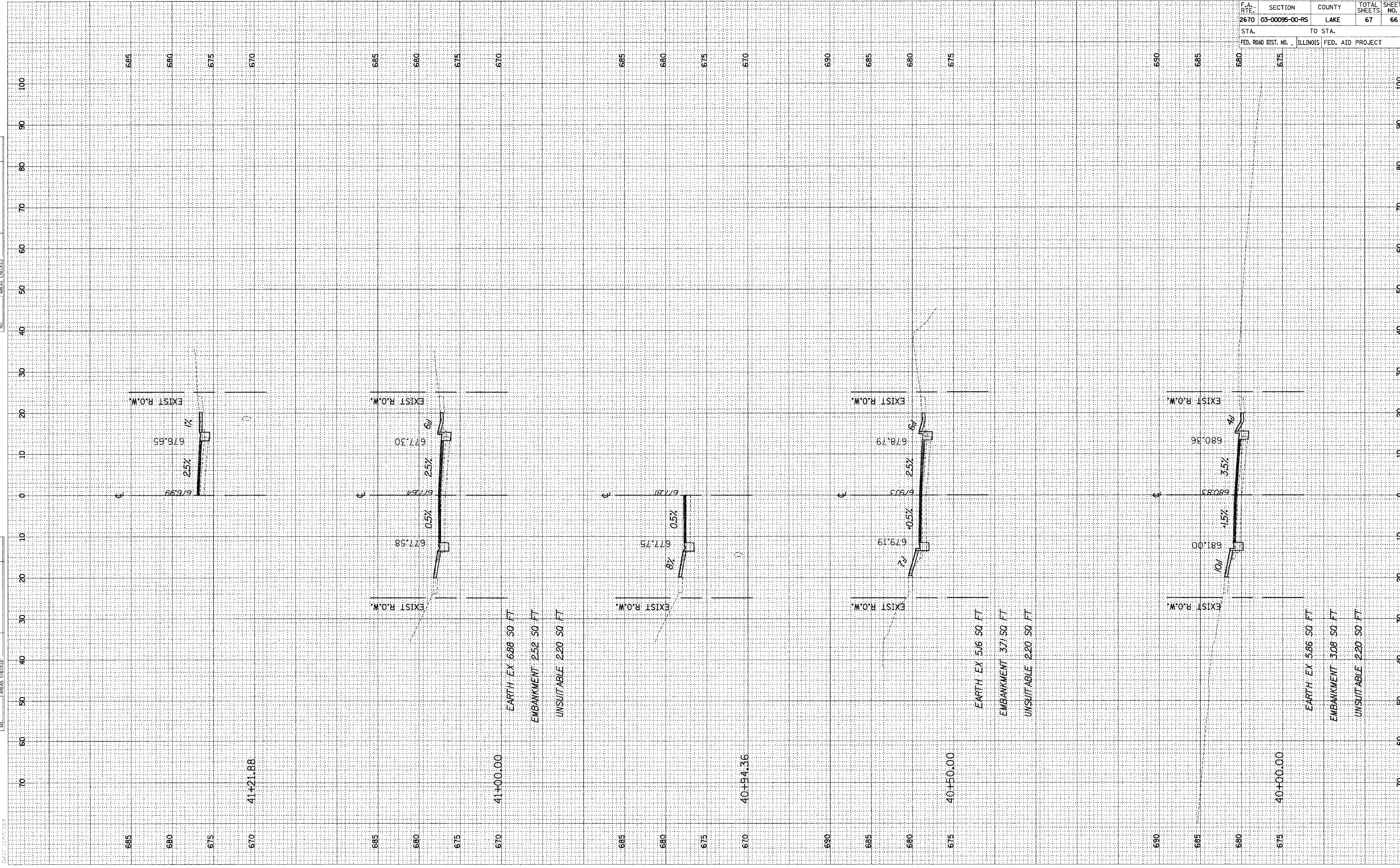
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NOTE BOOK	FLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	FLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		



ORIGINAL SURVEY PLOTTED AREAS CHECKED  
 SURVEY PLOTTED AREAS CHECKED  
 NOTE BOOK NO. \_\_\_\_\_  
 DATE \_\_\_\_\_

FINAL SURVEY PLOTTED AREAS CHECKED  
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 NOTE BOOK NO. \_\_\_\_\_  
 DATE \_\_\_\_\_

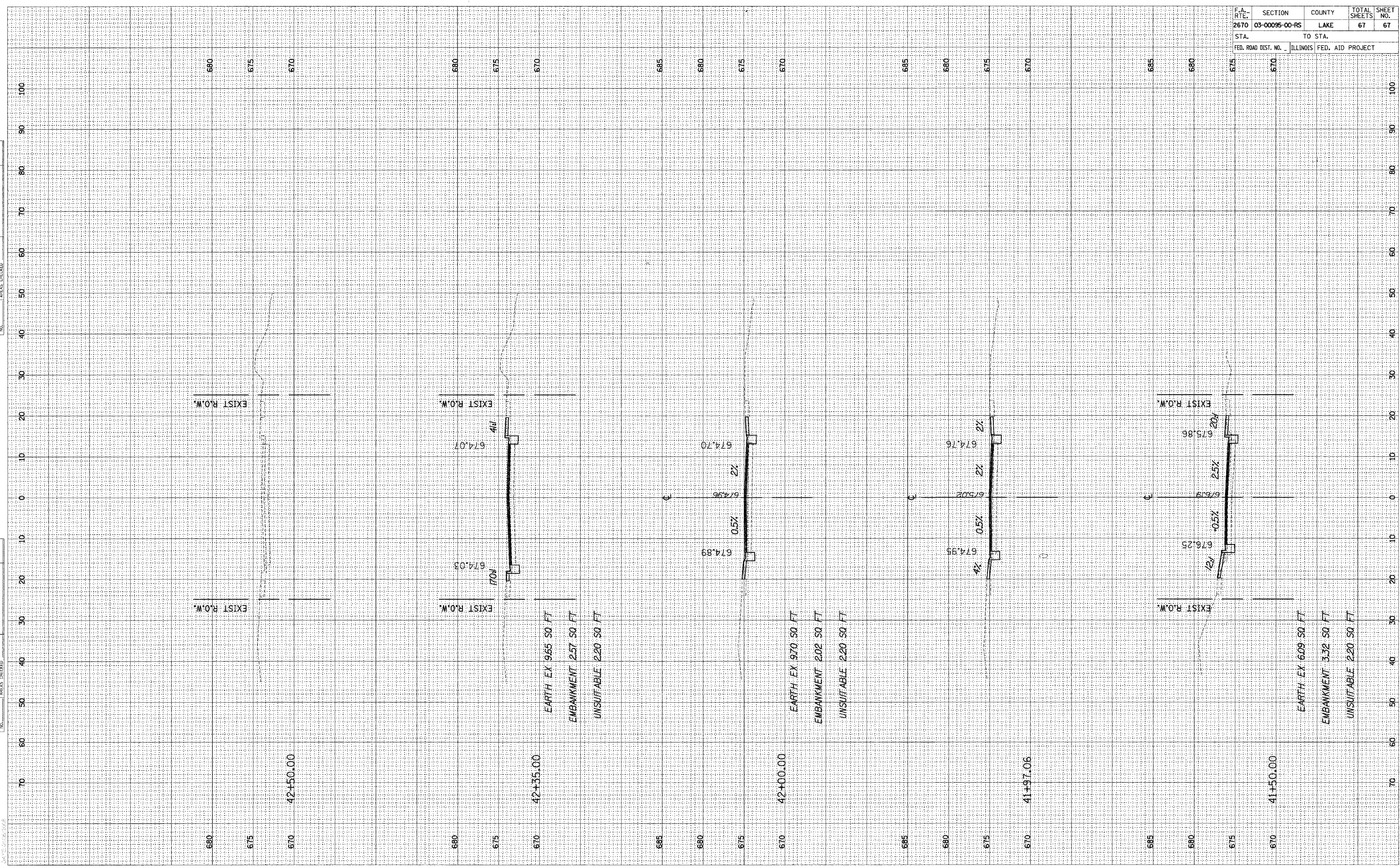


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	66
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY SURVEYED PLOTTED TEMPLATE NO. \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY SURVEYED PLOTTED TEMPLATE NO. \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED PLOTTED TEMPLATE AREAS CHECKED

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2670	03-00095-00-RS	LAKE	67	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



680  
 675  
 670 42+50.00  
 EXIST R.O.W.  
 EXIST R.O.W.

680  
 675  
 670 42+35.00  
 EXIST R.O.W.  
 EXIST R.O.W.  
 EARTH EX 965 SQ FT  
 EMBANKMENT 257 SQ FT  
 UNSUITABLE 220 SQ FT

685  
 680  
 675  
 670 42+00.00  
 EXIST R.O.W.  
 EXIST R.O.W.  
 EARTH EX 970 SQ FT  
 EMBANKMENT 202 SQ FT  
 UNSUITABLE 220 SQ FT

685  
 680  
 675  
 670 41+97.06  
 EXIST R.O.W.  
 EXIST R.O.W.

685  
 680  
 675  
 670 41+50.00  
 EXIST R.O.W.  
 EXIST R.O.W.  
 EARTH EX 609 SQ FT  
 EMBANKMENT 332 SQ FT  
 UNSUITABLE 220 SQ FT